CHEMICAL MARKETS

Established 1914

The Weekly Business Periodical of the
Chemical Process Industries

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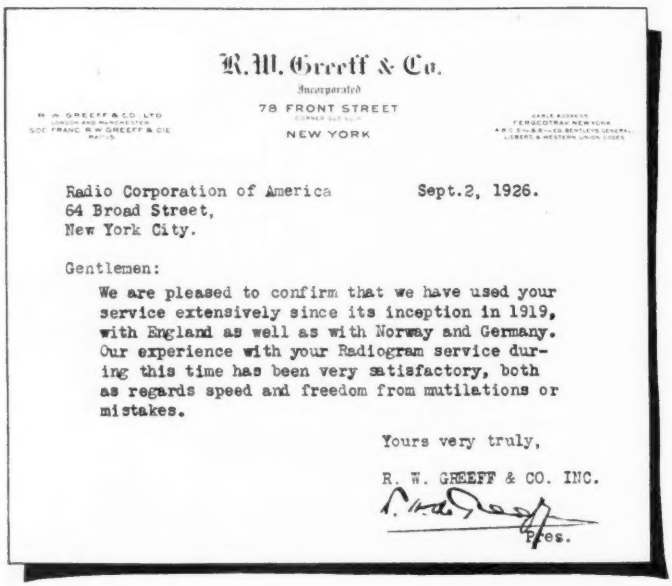

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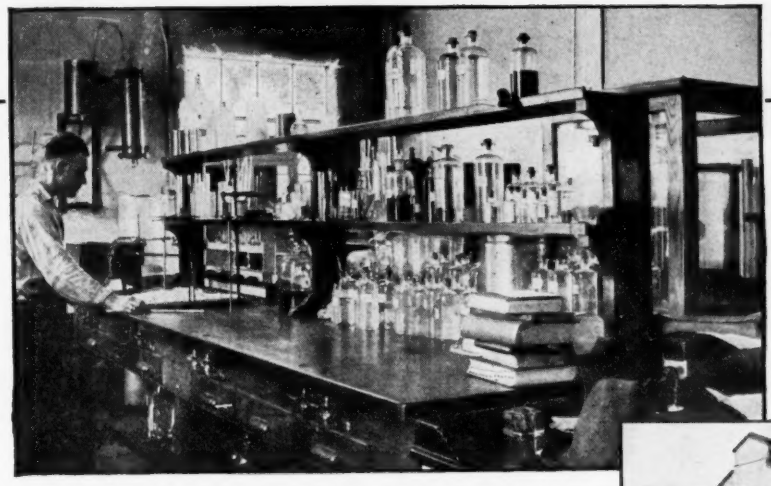

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M. L. Gallup, Purchasing Agent, Sales Finishing Plant, Inc.

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J. H. Reese, Purchasing Agent, Lever Bros., Cambridge.

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Wolf Kritchevsky, D. Sc., Consulting Chemist, Chicago.

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O. M. Connelly, Philadelphia Manager Wishnick-Tumpeer Chemical Co., Inc.

In my judgment your CHEMICAL MARKETS is the best publication of its nature I have ever read.

J. C. Evans, Vice President, The Denver Fire Clay Co., Denver, Colo.

We find your *Guide Book* of such value, we should like to get another copy, and are handing you our check herewith.

Dr. Hermann Hirzel, Zurich, Switzerland.

The publication os the patents from all the different countries is very valuable indeed, especially as they appear in your paper so much sooner than they do in any other publication of its kind.

H. J. Rolls, President, Rolls Chemical Co., Buffalo, N. Y.

Congratulations to you, not only on the *Guide Book*, but also on CHEMICAL MARKETS. I prefer your publication to all the others on account of its snappy up-to-date news and concise and easy method of tabulating current market prices.

Barcley Chemical Co., New York.

We are subscribers to all of the chemical periodicals, journals and newspapers, and having little time, most of them find their way into the waste basket without being read, but CHEMICAL MARKETS always finds a favorable reception with us, as the reading matter, the arrangement, and the market quotations are all very inviting.

John A. Chew, Sales Manager, Warner Chemical Co., New York.

We have examined with considerable care and interest the first issue of CHEMICAL MARKETS, and we feel that you have fully maintained the enviable reputation you have established as a publisher in the trade paper field. CHEMICAL MARKETS is readable, and I think that is the highest compliment that can be paid you. Furthermore, your arrangement of prices current with comments in the center of each page is a happy one.

Charles C. Gabriel, Vice President, Commercial Solvents Corporation, Terre Haute, Iowa.

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E. J. Parent, Purchasing Agent, The Mathieson Alkali Works, Inc., Niagara Falls, N. Y.

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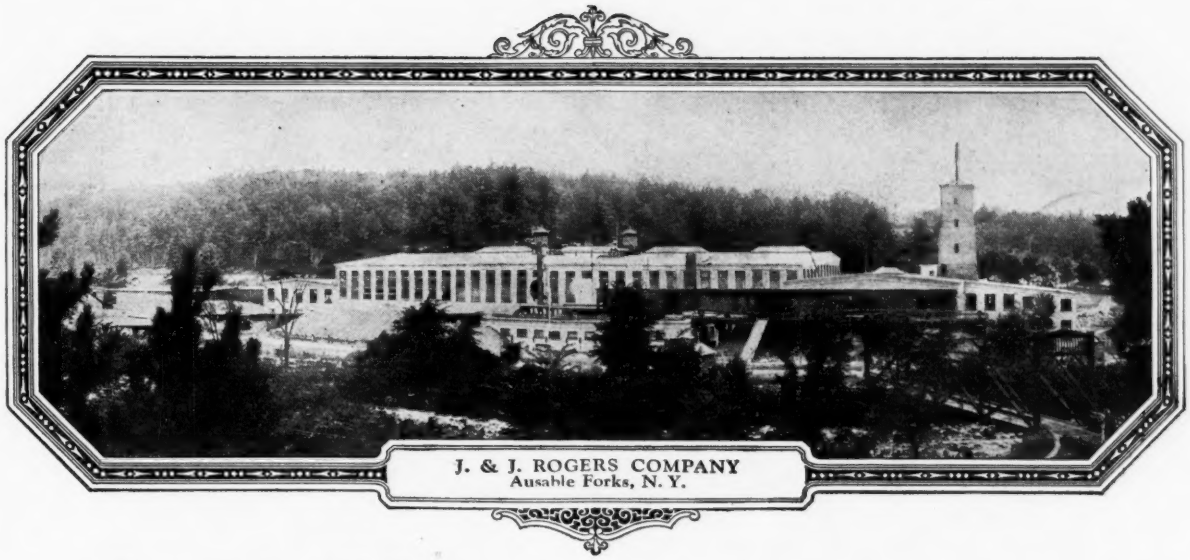

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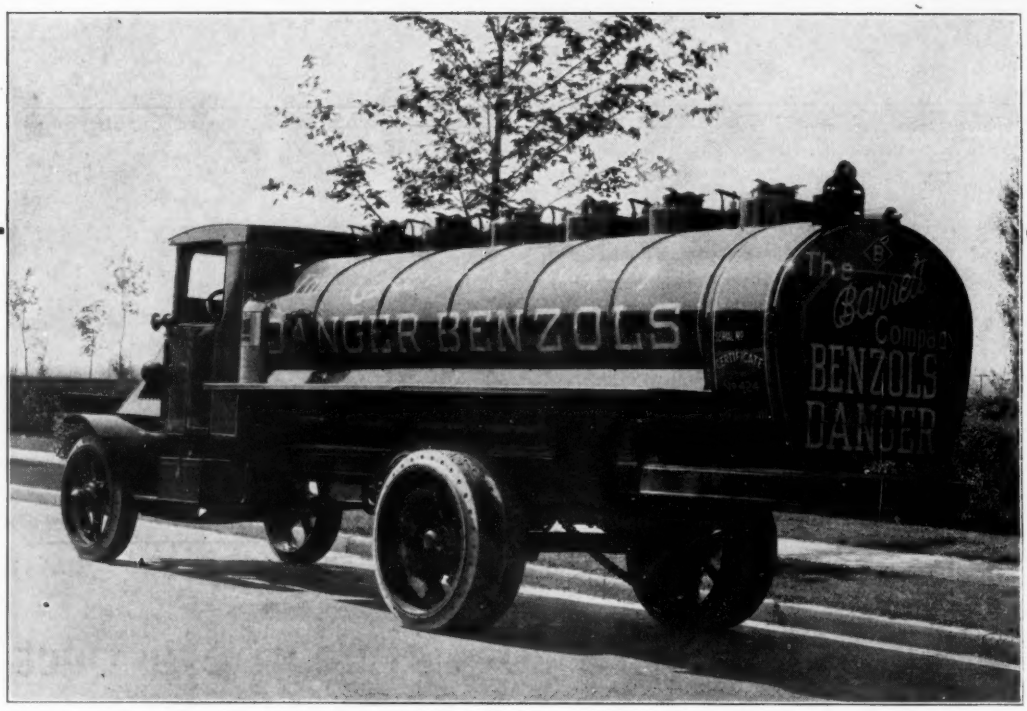

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CHEMICAL MARKETS

VOL. XIX NEW YORK, SEPTEMBER 30, 1926 NO. 21

Spite Work

A well disguised blessing to the sellers of raw materials and industrial chemicals is the evil of price selling. In any market determined fundamentally by price in which sales are struck over the balance of dollars and cents, adjustments of supply to demand are accomplished always more promptly—if more painfully—than in markets for any manufactured articles sold at a fixed price. Looking at our chemical market since 1920 in a broad way, it has probably been to the advantage of the efficient producer that this has been so, and the American chemical industry is fundamentally more sound today because of its price selling methods.

IT IS a difficult thing to convince a man in the hurly-burly of competition that this is so; but remembering that our chemical industry in practically all of its branches was tremendously overproduced at the time of the deflation, the strenuous price competition of the last few years has served as an active adjuster, so that today the production of chemicals is more nearly normal than it would have been if the strain had not been so severe. All this, moreover, is, in spite of the fact that we have been going through an unparalleled time of chemical change, the opening up of new consuming channels, the development of new chemicals, of new chemical processes, of new uses. Rayon and lacquer come so naturally to mind that we are apt to forget that our lithopone industry, our chlorine industry, our ammonia industry, our acetic acid industry, our alcohol industry—have all of them gone through revolutionary changes. It is extremely doubtful if all of these new developments, and the radical revolutions which they have caused in sales methods and plant procedure, could have been accomplished if our chemical manufacturers had not been keyed to a highest pitch of alert interest.

WE appear to be at the end of price deflation and only at the beginning of an, as yet, undreamed of, chemical expansion. Overproduction, while still distressing, is no longer serious and threatening, and at the opening of the Fall contract season our situation is familiarly summed up by saying, "Sales are good, but prices are so low that profits are negligible".

IT IS a situation very prettily set for the breaking out of the worst feature on a price controlled market. It is a sadly common spectacle to see a basically sound chemical market shaken to its very foundations by the over-keenness of sales hungry competitors. At the very beginning of a little brighter outlook, competition quickly intensifies and prices which ought naturally to rise are held back by the over-eagerness of sellers. This coming Fall buying season is going to furnish a splendid opportunity to practice that maxim of chemical salesmanship which one of the greatest chemical sales managers has summed up—"The wisest salesman is he who knows when to refuse business". For there are already indications that snipping at prices may lead to spite sales, which is the easy first step down the road of contract destruction.

ACETIC ACID UNSETTLED

Sufficient acetic acid has been marketed by a new factor producing direct from the crude by extraction with ether, to cause sharp cutting of prices in the territory in which he has operated. In fact the prices at which acid is now being sold in these localities are said to indicate that other makers would have to obtain acetate of lime at $2.50 per 100 pounds in order to maintain the same margin of profit as heretofore. The acetate of lime market remains at $3.25 per 100 pounds.

Consumption of acetic acid has increased tremendously during the past few years as a result of the expansion in lacquer and rayon manufacture. Both of these new industries use many acetates in their formulas. One acid maker states that the Eastern plant of the company has increased its production some two hundred per cent. This increase in production has not resulted in many plant additions, as previously most plants were operating well under their maximum capacity. Thus the actual cost of producing acetic acid for today's market is decidedly less than it was a few years back.

The factor employing the new process previously marketed acetate of lime. Apparently costs under the new process are low enough to make it attractive for him to manufacture and market the acid directly, rather than to manufacture acetate of lime and market it at a price 75 cents per 100 pounds higher than the present competitive prices of acid would indicate it is worth. Perhaps on the other hand this is a move by a wood products distiller to take the future of the industry into his own hands and to employ some of the research that he was accused of lacking at the time of the recent German methanol threat. Acetic acid is still made from carbide in Canada, and the forming of a company in this country with the right to employ the process was a further threat to the wood chemical industry. At present it is stated that this method will not be employed in this country; but the wood distillers cannot stake the future of their business on that statement.

INTERMEDIATES CONCENTRATING

That the sale of intermediates is becoming more restricted to fewer products that move in large quantities is reported by all leading manufacturers. The continued settling of finished dye prices is alone responsible for this condition. One maker of H acid reports that his sales have dropped from a total of somewhere from 50,000 pounds to 150,000 pounds annually depending upon conditions, to a total of approximately 3,000 pounds per year. The answer to this is that the color made from this intermediate is now so low in price that the smaller dye makers have found their manufacturing costs above the selling price of the finished dyestuff, and consequently are buying the finished color from the larger makers. A number of similar instances could be cited.

Thus the intermediate and dye industry of this country is fast approaching the state generally predicted for it,—a few large makers of the common products. The smaller makers will either deal in specialties until these become of sufficient importance to interest the larger firms, or else pass out of existence. The larger makers claim that the markets for intermediates must be expanded along the lines indicated by rubber accelerators, anti-knock materials and flotation reagents. It is also within the realm of possibility that the manufacture of intermediates will resolve itself into one or two manufacturers making each important intermediate, thus effecting increased economy of production and distribution.

[Ten Years Ago]

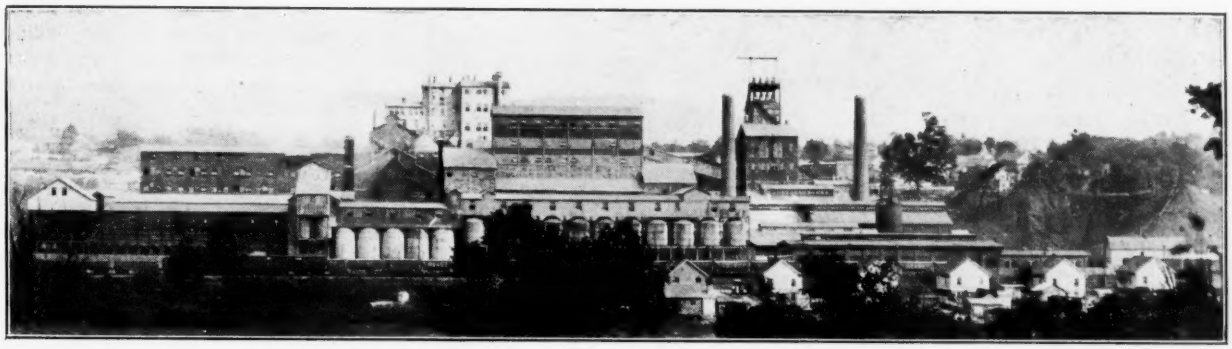
(From "Drug & Chemical Markets," Sept. 27, 1916)

Almost simultaneously with the appearance of a German submarine merchantman on our Eastern shore, bearing a cargo of dyes from that country hemmed in by Britain's watchful ships, comes word of the discovery of a vast deposit of potash in the basin of Malheur Lake, south of Burns, Ore. Potash is one of Germany's products which has been bottled up by England's naval blockade, and its scarcity has threatened disaster to more than one American industry depending on it for the manufacture of its products.

Due to increase in business, National Aniline & Chemical Co. has established a selling agency at Charlotte, N. C. The entire business all over the United States has assumed such large proportions that the company is expected to turn out $35,000,000 worth of colors in 1917. Plans are under way for doubling the capacity of the Schoellkopf plant at Buffalo.

THAT SYNTHETIC FOOD OF THE FUTURE

Copyright, 1926, New York Tribune Inc.
LOOKS WONDERFUL!
THIS IS TH' FIFTH NEW ENGLAND BOILED DINNER I'VE SERVED TO-DAY
THAT'S FUNNY! I'M SURE I PUT MY DINNER IN THAT POCKET THIS MORNING
IT'S THE SECOND TIME THIS WEEK YOU'VE TAKEN FOUR MINUTES FOR LUNCH?!!
THANKSGIVING TIME
SIX TURKEY DINNERS! THERE YOU ARE!
NOW MUCH?
DOGGONE IT! I'VE EATEN MY DINNER INSTEAD OF MY BREAKFAST AGAIN!!
ANTIQUES
DIRTY DISHES? AREN'T THEY JUST TOO QUAINT FOR ANYTHING!
THEY'VE BEEN IN OUR FAMILY FOR 2 GENERATIONS!



Franklin Milling Plant, New Jersey Zinc Company

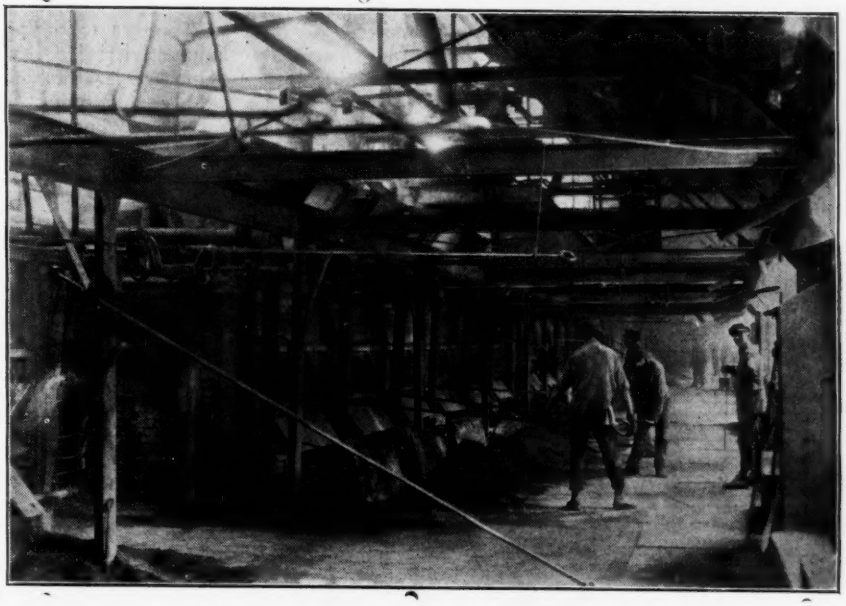
Development of Zinc Oxide

Phenomenal growth in the paint, varnish and rubber industries during the past fifteen years has resulted in a comparative expansion in the demand for zinc oxide as a raw material in these industries.

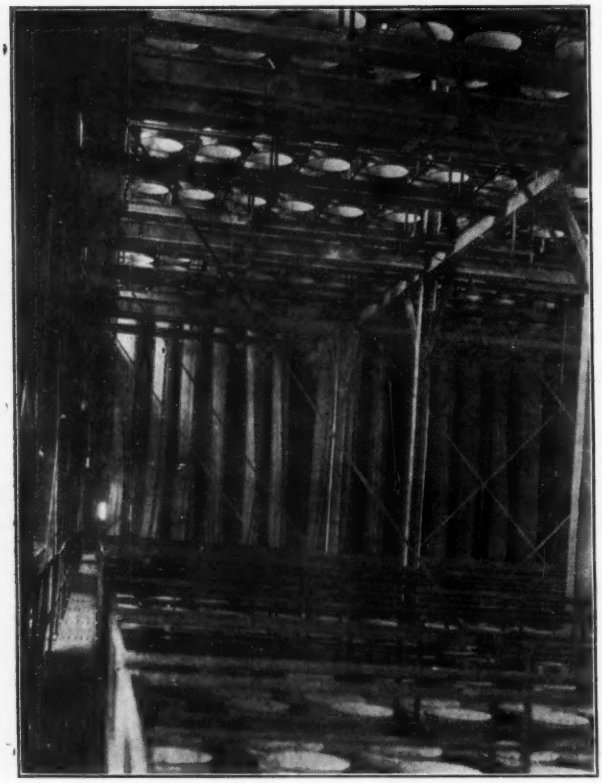
By R. Davison
New Jersey Zinc Co.

THE twentieth century has seen industries which are dependent upon zinc oxide as a raw material, enjoy great expansion. To meet the increased demand the manufacture of zinc oxide has increased rapidly in tonnage and in the number of producing plants. The chief users of zinc oxide, which are the paint and rubber industries, have grown phenomenally. Consumption of paint and varnish in 1925 was double the consumption in 1921. The advent of the motor car and the need of the rubber industry for zinc oxide have developed a gigantic outlet, which has been growing rapidly since 1910. Virtues peculiar to this pigment have established it in a diversified list of growing industries as a necessary raw material. Zinc was discovered long ago in China, and the metal was made in a crude way. The methods were zealously guarded and zinc commanded little interest in European countries until about the year 1800. Zinc was also known to the ancients of India, and during the seventeenth and eighteenth centuries some shipments of metallic zinc —known as spelter—were made from the East to Europe. In its early history the metal was known by various names, and it was not until 1620 that metallic zinc came to be known by a distinct name. In that year a Portuguese ship carrying metallic zinc from the East Indies was seized by the Dutch and the metal sold in Paris as "speautre" or "spialter." The name was latinized to "speltrum," from which comes "spelter," the name by which slab zinc was known in this country until about ten years ago, when the American Zinc Institute decided the name slab zinc meant more than spelter could ever mean to those not closely identified with the zinc industry.

In the United States the first zinc was produced in 1835 by John Hitz in the arsenal in Washington. The United States Government, desiring to establish definite standards of weights and measures, imported workmen from Belgium and built a small slab zinc furnace at Washington to make the zinc necessary to form the brass needed for standard units of weight and measure.



Interior of Zinc Oxide Furnace Room



Interior of Zinc Oxide Bag Room

The ore used was a mixture of zincite, willemite and franklinite from northern New Jersey and blende from Perkiomen, Pa. Commercial production of slab zinc was not started in this country, however, until 1861 or 1862, although zinc oxide was made in Newark, N. J., in 1850-52, and at South Bethlehem, Pa., shortly afterwards. The world's largest zinc plant is now located in this same Lehigh Valley in Pennsylvania.

The sizeable production of zinc oxide as a pigment was started in France in the latter part of the 18th century by Le Clair. He was a paint grinder and master painter and was searching for a pigment which would not be injurious to the health of the workers. He found that zinc oxide in addition to being non-poisonous, gave him a whiter and more desirable paint. The French Government investigated Le Clair's claims and specified zinc oxide for all government work.

The first zinc oxide produced in this country, as early as 1850, was made in reverberatory and muffle furnaces. The idea from which the present American process evolved was gained at the Newark plant through the thoughtless act of a workman. This workman mended a badly leaking fire flue by throwing an old piece of fire grate over the exposure and shoveling over it a mixture of zinc ore and coal which was near at hand. A short time later he noticed a cloud of zinc oxide arising from the burning patch. One of the engineers of the New Jersey Zinc Co. heard of it the next morning and he was quick to realize the significance. Developments along this line followed, and led to many patents being taken out between 1852 and 1854, chiefly by Wetherill.

The principle of the American process is to vaporize the zinc directly from the ore instead of making metal first, thereby saving an extra operation. The reduction is by carbon, with the zinc vapor allowed to oxidize. In the process a mixture of zinc ore and coal is spread on the bed of burning coal lying on a perforated grate through which an excess of air is blown. The vapors are drawn through cooling pipes to muslin bags, which allow the gases to escape through the meshes while retaining the pigment.

The French process for the manufacture of zinc oxide was first used in this country about forty years ago. By this process slab zinc is vaporized in a specially constructed furnace and the volatilized zinc allowed to come in contact with an oxidizing atmosphere. In the early days, after the zinc oxide laden air was drawn through cooling pipes, the zinc oxide was allowed to settle in hoppers. About 1908 the present method was adopted, in which the hoppers are supplemented by muslin bags, which allow the pigment to be collected in the same way as in the American process.

The first record of the use of zinc in the rubber industry in this country is a patent of 1849 for the "Improvement in the Manufacture of India Rubber Goods by Means of Zinc Compounds." From that time until the automobile began its spectacular climb to favor the use of zinc oxide continued on a small scale in rubber compounding. The tremendous increase in tire output in the last fifteen years has brought the present consumption of zinc oxide in rubber up to many thousands of tons annually. These chemists of 1849 did not appreciate the full significance of their invention. Rubber tire manufacturers have found that zinc oxide gives to their products superior aging, high heat conductivity, low hysterisis loss and activation of organic accelerators. With the extended use of reclaimed rubber zinc oxide provides, through its heat and age-resisting properties, together with its reinforcing effect, the essential factor of safety for such compounds.

As a paint pigment zinc was not generally accepted throughout the United States until a quarter century ago. A half century ago the prepared paint industry in this country was in its infancy and most of the paint used was straight lead ground in oil, which was mixed for the job by the painter. While at first zinc oxide made slow progress in changing the long-time habits of paint users to accept nothing but pure lead, the combination of properties not possessed by any

(Continued on page 902)

Zinc Oxide Bag Room Building

German Patents in the Lacquer Field

Fourth Instalment of a Complete List of German Patents of Interest to Makers of Nitro-Cellulose Lacquers.

281,373. Chemische Fabrik Griesheim Elektron. A lacquer made from cellulose esters, in which there are employed in the place of the usual solvents the ethylidine compounds of the alipathic acids, the lacquers obtained in this manner being almost odorless, neutral and colorless.

281,374. Farbenfabriken vormals F. Bayer & Co. A solvent for acetyl cellulose. It is also possible to employ aqueous solutions of chloride of zinc, metallic sulfocyanides and the like for dissolving acetyl cellulose, when these solutions are concentrated. The resulting solutions can be easily diluted with corresponding solutions of metallic salts and also with alcohol or other solvents.

281,877. Chemische Fabrik Griesheim Elektron. Manufacture of a mass which can be worked up into the form of horn substitutes, films, artificial threads, lacquers and the like.

284,672. Badische Anilin- und Sodafabrik. A solvent for cellulose esters. Cyclohexanon and its homologues are not only good solvents for nitro-cellulose but also for those that are soluble in acetone and for those that only swell up in acetone. The solution of cellulose acetate in cyclohexanone can be admixed without any difficulty with benzene and its homologues. A slight addition of acetone to the cyclohexanone makes it possible, however, to use these solvents.

284,726. Knoll & Co. Addition to 203,178. Manufacture of cellulose acetate and obtaining stable solutions of the same.

284,876. Fritz Hesse, Dresden, Germany. Addition to 250,029. Manufacture of artificial leather.

286,120. Eduard Girzik, Vienna, Austria. Impregnation of textile fibres, resulting in the manufacture of water-impervious materials through impregnation of the fibers with solutions of cellulose esters and castor oil.

286,771. Wilhelm Kuell, Wald, Germany. Manufacture of seamless films of celluloid on wood or metallic objects.

286,873. Dr. Richard Mueller, Deutsche Zelluloidfabrik, Eilenberg, Germany. Recovery and reworking of celluloid wastes, in which the wastes, without separation of the camphor or the ordinary gelatinizing agents contained in it, is ground up to so fine a state that chemicals are able to act upon it.

287,745. Dr. Arthur Eichengruen, Berlin-Grunewald, Germany. Hard rubber-like mass, which is obtained by working up acetone-soluble cellulose acetate with mixtures of small amounts of alcohol or other liquid solvents and likewise small amounts of cellulose acetate which have first been worked up with excess of high-boiling liquid solvents or solid solvents.

288,267. Chemische Fabrik von Heyden. Solvents for the preparation of cellulose ester lacquers. The alkyl or the alkylidene ethers of the glycerin chlorohydrines are used either alone or in admixture with other swelling agents or solvents or with media which do not in themselves exert a solvent action on cellulose esters.

292,951. E. I. du Pont de Nemours Powder Co., Wilmington, Del. Manufacture of celluloid-like mass which can be used as a substitute for celluloid, films and artificial leather.

293,261. Knoll & Co. Manufacture of articles from acetyl cellulose.

295,764. Dr. Arthur Eichengruen, Berlin, Germany. Solvents for cellulose acetates, consisting of the admixture of two non-solvents, such as benzol and alcohol, with one solvent, such as acetone.

295,889. Agfa, Berlin, Germany. Manufacture of cellulose esters.

296,205. Dr. Arthur Eichengruen, Charlottenburg, Germany. Manufacture of a hard plastic material from acetyl cellulose which is soluble in acetone.

296,206. Verein fuer chemische Industrie, Mainz, Germany. Polishing composition which consists for example of seven parts of cellulose acetate, fifty-two parts of methyl acetate and forty-eight parts of ethyl acetate.

297,030. Gustav Blatt, Bieberach, Germany. A polish is obtained on celluloid by polishing the dull surface with wood pulp or belt leather.

297,149. Fedor Lehmann, Charlottenburg, Joseph Stocher, Berlin, Germany. A camphor substitute consisting of the polymerization products of coumarone or indene.

297,504. Knoll & Co., Ludwigshafen-on-the-Rhine, Germany. Manufacture of acetyl cellulose which gives a viscous solution with acetone.

297,919. Erich Linden-Lichtenthal, Berlin, Germany. Design covered articles made from celluloid and the like.

297,955. Deutsche Gasgluehlicht A. G., Berlin, Germany. Preventing the coating effect on acetyl cellulose articles. Acetyl cellulose plates are employed, which are surface saponified and for producing saponification it is advantageous to employ an aqueous methanol solution of an alkali.

298,806. Knoll & Co., Ludwigshafen, Germany. Manufacture of masses out of cellulose acetate which remain soft and which are resistant to frost by the addition of resorcinol acetate.

298,897. Monnet. Acetylation of cellulose.

299,036. Agfa, Berlin, Germany. Manufacture of cellulose esters.

299,181. Engelhard Wagner, Berlin, Germany. Manufacture of cellulose esters.

299,310. Stefan Hansel, Dresden, Germany. Nonbreaking artificial leather which is covered with a film of celluloid.

300,908. Internationale Zelluloid-ester G. m. b. H., Sydowsaue, Germany. Cellulose acetate for the manufacture of japanned leather. A ground is produced on the leather before the japan is applied by means of a solution of gelatine in glacial acetic acid.

301,449. Agfa, Berlin, Germany. Addition to 295,889. Manufacture of cellulose esters.

303,018. Verein fuer chemische Industrie, Mainz, Germany. Manufacture of fusible masses or films from cellulose acetates which are not fusible with heat.

303,530. Knoll & Co. Addition to 297,504. Acetylation of cellulose.

304,026. Stolz & Co. Elektrizitaets G. m. b. H., Mannheim, Germany. Rolls of tape are brought into contact with an acetyl cellulose impregnating composition and the tape is removed from the same in the wet condition at the point where it is used.

304,224. Fritz Redlich, Berlin-Zehlendorf-Mitte, Germany. Cellulose esters are mixed with neutral esters of two or multi-base organic acids of the aliphatic and aromatic series.

305,348.—Knoll & Co. Manufacture of an easily soluble form of cellulose acetate.

306,131.—Knoll & Co. Cellulose acetates.

307,075. Dr. Franz Steimich, Hannover, Germany. A cellulose acetate or other ester lacquer which is made in the following manner: Furfurol is the solvent that is used for the dissolving of cellulose acetate, either alone or in admixture with other organic liquids which are either non-solvents or partial solvents of the cellulose ester.

307,125.—Farbenfabriken vorm. Friederich Bayer & Co. Increasing the softness and the pliability of articles that are manufactured from cellulose derivatives by the addition of such substances as the amyl ether of beta naphthol.

308,615.—Dr. A. Lehner, Berlin-Lichtenfelde, Germany. Artificial leather.

311,500.—Emma Prarade, Leipzig, Germany. Manufacture of self-luminescent masses by a method which consists in kneading cellon, galalith, gelatine and other similar substances with radioactive sulfide of zinc.

314,317.—Vereinigte Koeln-Rottweiler Pulverfabrik, Berlin, Germany. A process for the precipitation of solutions of nitro cellulose.

314,318.—Vereinigte Koeln-Rottweiler Pulverfabrik, Berlin, Germany. A process for the precipitation of solutions of nitro cellulose.

317,412.—Farbenfabriken vormals Friederich Bayer & Co. Gluing together articles which are made from cellulose derivatives, the process consisting in the use of esters of adipic acid and its derivatives.

319,723.—Franz Clouth, Koeln-Nippes, Germany. Manufacture of elastic masses.

320,339.—Abel Bardin, Paris, France. Manufacture of a compound cementing preparation.

321,264.—Ballonhuellen G. m. b. H., Berlin-Tempelhof, Germany. A balloon lacquer. The well-known balloon lacquers compositions are mixed with the products that are obtained by the action of sulfur chloride on oils, such as castor oil.

322,586.—Farbenfabriken vormals Friederich Bayer &

(Continued on page 900)

Who's Who in the Chemical Industry

Rowland Sherwood Bosworth, Calco Chemical Co., Bound Brook, N. J. Born: Providence, R. I., Sept. 11, 1887. Married: Margaret Levermore, Yonkers, N. Y., Sept. 8, 1911. Children: two sons. Education: B. A., Yale, 1908; M. A., Yale, 1909; Ph. D., Yale, 1911. Business: Chief Chemist, Standard Chemical Co., Cannonburgh, Pa., 1911-12; Research Chemist, Phelps-Dodge & Co., 1912-14; Memorial Hospital, 1914-16; salesman, Standard Color Co., 1916-17; Sales Dept., Calco Chemical Co., 1917-25: Member: Yale Club, Salesmen's Assn. of American Chemical Industry, vice-president, 1925-26. Hobbies: Tennis and reading.

Charles H. Stone, Southern Manager, General Dyestuff Corp., Charlotte, N. C. Born: Pilot Mountain, N. C., June 19, 1877. Married: Clara McKay, Taylor, Texas, Dec. 16, 1907. Education: Common school. Business: Farbenfabriken, 1905-14; Wm. Beckers Aniline & Chemical Works, 1915-17; National Aniline & Chemical Co., 1917-19; Atlantic Dyestuff Co., 1920-21; Textile Alliance, 1921-22; Newport Chemical Works, 1923; General Dyestuff Corp. and its predecessors, 1924 to date. Clubs: Country Club, American Chemical Society and American Assn. of Textile Chemists & Colorists. Hobby: Golf.

Theodore Swann, President, Federal Phosphorus Co., Birmingham, Ala. Born: Dandridge, Tenn, Sept. 5, 1886. Married: Catherine Dunwody, Vidalia, Ga. Children: two daughters. Education: Maury Academy, Dandridge, Tenn., Carson & Newman College, Jefferson City, Tenn., Virginia Institute, Bristol, Va. Business: Electrical contractor, Bristol, Va., 1913-17; 1917 to date, president, Southern Manganese Corp., Federal Phosphorus Co., Federal Carbide Co., Federal Abrasives Co., Federal Fertilizer & Federal Electro Chemical Co., all of Birmingham and Anniston, Ala. Member: Bankers Club, Union League Club and Chemists Club, New York, Southern Country and Kiwanis of Birmingham, Country Club of Anniston, Ala., American Iron & Steel Institute, American Chemical Society, American Electrochemical Society, American Institute Mining & Metallurgical Engineers, associate member, American Institute of Electrical Engineers. Hobbies: Flowers.

Gustave W. Thompson, chief chemist, National Lead Co., New York. Born: July 27, 1865. Business: 1892, chief chemist, National Lead Co., 1916, director, 1917, director, Williams-Harvey Co., Ltd., London, England; 1920, director, Titanium Pigment Co.; 1923, director, United Lead Co., 1923, vice-president; 1925, director and treasurer, Metallurgical & Chemical Corp. Member: A. A. (Fellow) American Chemical Society, Society Chemical Industries, American Society for Testing Materials, American Institute of Chemical Engineers, president, 1918; Chemists' Club, Chemical Verein, Metal and Rubber Club. Principal activity: Chemistry, chief subjects of research, paints, alloys, lead compounds.

Alpheus W. White, White & Hodges, Everett, Mass. Born: Vassalboro, Maine, Sept. 8, 1867. Married: Catherine E. White, Everett, Mass., June 14, 1894. Children: (2) son and daughter. Education: Public schools. Business: Claflin Mfg. Co., Boston, 1889-91. Winslow S. Cobb & Co., Boston; Frank L. Young & Kimball, Boston, 1892-1914; Frank W. Kimball & Co., Boston, 1914-1921; partner in White & Hodges, Everett, 1921 to date. Public record: Member, City Government, 1895-1900. Member: Rotary.

[News and Markets Section]

Agricultural Chemists to Meet Oct. 18

Many Important Papers to Be Read —Fertilizers, Insecticides and Fungicides, and Uses of Crops to be Discussed

Official Agricultural Chemists will hold its annual convention in Washington, D. C., Oct. 18. The officers are W. W. Randell, Baltimore, president; W. H. McIntire, Knoxville, Tenn., vice-president; W. W. Skinner, Washington, secretary; H. W. Wiley, Washington, honorary president. Among the papers to be read are: "Waters, Brine and Salt"—C. H. Badger, Washington, D. C.; "Tanning Materials and Leathers"—T. D. Jarrell, Washington, D. C.; "Insecticides and Fungicides"—J. J. T. Graham, Washington, D. C.; "Soils and Liming Materials"—W. H. MacIntire, Knoxville, Tenn.; "Reaction Value of Soils"—P. S. Burgess, Tucson, Ariz.; "Liming Materials"—W. M. Shaw, Knoxville, Tenn.; "Fats and Oils"—G. S. Jamieson, Washington, D. C.; "Baking Powders and Baking Chemicals"—L. H. Bailey, Washington, D. C.; "Fertilizers"—G. S. Fraps, College Station, Texas; "Phosphoric Acid"—W. H. Ross, Washington, D. C.; "Nitrogen"—A. L. Prince, New Brunswick, N. J.; "Potash"—A. P. Kerr, Baton Rouge, La.; "Plants"—A. J. Patten, East Lansing, Mich.; "Turpentine"—V. E. Grotlisch, Washington, D. C.; "Naval Stores"—F. P. Veitsch, Washington, D. C.

On Wednesday, Oct. 20, a joint meeting will be held with the Association of Dairy, Food and Drug Officials, and the Feed Control Officials.

AUG. FERTILIZER OUTPUT

National Fertilizer Association gives results of manufacturing operations for August as follows:

Production for Aug., 1926, was 4.5% less than that for Aug., 1925.

Production for Aug., 1926, decreased 12.6% from July, 1926.

Production for Aug., 1925, decreased 14.5% from July, 1925.

The seasonal trend downward for August was therefore less than for the like month of 1925, but production for July was already 7% less than for July, 1925.

Stocks were 19.0% larger on Aug. 31, 1926, than on Aug. 31, 1925.

Stocks decreased 8.6% from July 31, 1926, to Aug. 31, 1926.

Stocks decreased 6.2% from July 31, 1925, to Aug. 31, 1925.

While stocks were 19% larger at the end of August, 1926, than of 1925, they declined more rapidly during August this year than during the like month of 1925; but they were not normal.

Consumption for Aug., 1926, was 6.2% larger than for Aug., 1925.

Consumption for Aug., 1926, was 8.2% larger than for July, 1926.

Consumption for Aug., 1925, was 194.1% larger than for July, 1925.

During the first five months of 1926, 8,061 metric tons of copper sulfate were imported into Italy, an increase of 100 per cent since 1924. Germany is a very important supplier of copper sulfate to the Italian market, and according to German statistics about 1,000 tons were supplied to Italy in the first half of the year. The increase in Italian demand, together with increases in Bulgaria and Rumania account for a 100 per cent increase in the German foreign trade in copper sulfate.

The marketing of potash from the Blodelsheim concession in Alsace is expected to be distinct from that covered by Societe Commerciale des Potasses d'Alsace. The directorate of the Compagnie des Potasses d'Alsace, which is working the Blodelsheim concession, includes on its board a representative of the Kuhlmann concern and it is reported that the Kuhlmann Company is promoting the new company to strengthen its position in the French fertilizer industry.

Walter Bauer, president of Pyrene Manufacturing Co., and Fire Equipment Manufacturers' Institute, says his company had made an agreement with Minimax company of Germany, whereby Pyrene will distribute fire extinguishers in all English-speaking countries and Minimax to the rest of the world.

Imports into Germany during August were 918,727,000 marks, against 928,959,000 in July. Exports were 833,917,000 marks, against 821,729,000. Thus the excess of imports for the month was 74,830,000 marks, comparing with an excess of imports in August, 1925, amounting to 453,926,000. In eight completed months of this year imports were 6,276,000,000 and exports 6,449,000,000, leaving an export surplus for the period of 173,000,000, against an import excess of 3,132,000,000 in the same eight months last year.

Business in German potash was unsatisfactory during the first four months of 1926, according to a report of the Salzdetfurth Konzern, owing principally to the reduced domestic demand. German agriculture is in an unfavorable situation financially and farmers are using less potash for fertilizing purposes. Efforts made to assist farmers in purchasing potash by granting them credit against notes discounted by the Reichsbank have not proved successful, since these notes fall due in November, before the farmers realize on their crops.

An agreement has been entered into between Orkla Pyrites Producing Co., and Rio Tinto Co., for collaboration over a long period. The agreement comprises a common sale policy and the Rio Tinto guarantees the Orkla a fixed minimum export. The Orkla has further sold to the Rio Tinto Co., methods for zinc extraction. The Orkla company's average yearly pyrites production is 200,000 tons.

Mathieson Alkali Works, 2400 Buffalo ave., Niagara Falls, N. Y., has completed plans for a one-story addition to its local plant, 82 by 130 ft., estimated to cost $25,000. Headquarters of the company are 25 West Forty-third st., New York.

Union Tank Car Co., will move its executive office to Chicago, Sept. 16, but will retain an office at 21 E. 40th st., New York.

New Carrier for Ammonia Sought

Phosphoric Acid Suggested to Replace Sulfuric Acid—Cost of Phosphoric Acid is Uncertain Factor

Under the heading "A New Ammonia Carrier Wanted," "Chemical Age" (London) says:

"For some years now a considerable amount of attention has been given to the possibility of combining ammonia with "carriers" other than sulfuric acid, and the numerous compounds now listed by the Badische undertaking are sufficient evidence of what is possible in this direction. In America the same problem has arisen, for it is argued that there would be little advantage in making sulfate of ammonia, since that country is already producing a surplus of that material. There has been a good deal of talk lately about using phosphoric acid as a carrier for ammonia, the resulting product ((ammonium phosphate) having much to recommend it, but the question of cost is the material and uncertain factor. Dr. Curtis points out that at present there is no process in commercial operation in the United States that can produce phosphoric acid more cheaply than the ordinary sulfuric acid method. A new electric furnace method appears to have received a certain amount of attention at the Anniston works of Federal Phosphorus Co., but the cost of manufacturing phosphoric acid by this process is largely dependent upon the cost of electric power, and it is questionable whether this particular acid could be made sufficiently cheaply for use as a fertilizer.

"It has lately been reported, however, that Badische has been quietly investigating the possibilities of the Liljenroth method of producing phosphoric acid, and that it has adapted one of its cyanamide plants for the purpose. It is said, in fact, that the particular cyanamide plant used is one having a capacity of 30,000 tons per annum. It would seem, therefore, that the Germans are trying out the process on a large scale, presumably for the manufacture of diammon phos and related products. It may be recalled that the Liljenroth process consists in producing in the first place ordinary yellow phosphorus in an electric furnace. The phosphorus is then blown in vapor form, together with steam, over a catalyst at about 1,000° C., whereby phosphoric acid is yielded and hydrogen liberated. The process is generally regarded as promising; but, again, its practicability from the commercial standpoint would, as with so many processes where electrical energy is involved in large quantities, appear to depend largely on local facilities for obtaining cheap power."

American Institute of Accounts, in session at Atlantic City, recently, approved the movement for more publicity for corporation financial statements for the benefit of investors. William H. West, New York City, was re-elected President of the Institute, with the following co-officers: F. H. Hurdman, New York, and John R. Ruckstell, California, vice-presidents; Arthur W. Teele, New York, treasurer.

THE COAL-TAR INDUSTRY

is now well established in this country. But look back fifty years and see the infant industry in the process of development. This article will appear shortly in CHEMICAL MARKETS.

American Institute of Mining and Metallurgical Engineers will meet at Pittsburgh, Oct. 6-9. Different divisions will meet on the Pacific coast and at other points convenient to members, including Spokane, Tulsa, Denver.

Chicago Drug and Chemical Association held its first Fall meeting, Sept. 30, at the Hamilton Club.

BUSINESS ABROAD

Ralph Renouf, of Dickinson, Renouf & Co., New York, has recently returned from a brief business trip to Europe in connection with their London and Paris offices.

Mr. Renouf reports that business conditions in both England and France are better than the general impression would lead one to believe. As far as England is concerned, although it will take many months for the country to recover from the series of strikes prevalent there, the general feeling is one of confidence, and business in many lines is showing signs of a healthy revival. However, there is a consensus of opinion that great efforts are still necessary in order to increase the export trade to enable the country to fulfill its foreign obligations.

While the domestic trade of France is thriving and labor is well occupied, business men in that country contend that this prosperity is more apparent than real, and that the artificial boosting of their export trade through the depreciation of the Franc is more than offset by the curtailment of their purchasing power abroad. Real healthy business will be impossible until the franc is properly stabilized.

Morton Meyer, manager of Thompson-Hayward Chemical Co.'s St. Louis branch, and Louise Cahn were married in St. Louis, Oct. 2, and are touring through the East.

Scottish Artificial Silks, Ltd., capital £400,000 in 5 shilling ordinary shares, has acquired Tongland Works, Kirkcudbright, and is installing machinery.

Bakelite Co., Bloomfield, N. J., will build an addition to its plant at 110-30 Grove st., estimated to cost about $60,000, including equipment.

NAVAL STORES EXPORTS

(*Special to* CHEMICAL MARKETS)

Washington, D. C., Sept. 27 — During August the value of naval stores exported was $3,733,000, compared with $4,017,323 for August last year. Exports of naval stores for eight months ended Aug. 31 of this year were valued at $23,453,347 compared with $20,804,095 for eight months last year. Detailed figures of exports follow:

		August		8 Months Ended August	
		1925	1926	1925	1926
DOMESTIC EXPORTS OF NAVAL STORES					
Total naval stores, gums and resins	$	4,017,323	3,733,000	20,804,095	23,453,347
Rosin	bbls	123,540	107,579	844,181	732,464
Rosin	&	2,032,223	2,610,924	11,826,485	16,437,015
Gum spirits of turpentine	gals.	1,862,934	1,057,234	8,219,539	6,348,797
Gum spirits of turpentine	$	1,793,964	997,877	7,885,358	5,929,944
Wood turpentine	gals.	96,858	65,191	372,361	479,424
Wood turpentine	$	75,962	51,071	284,460	376,075
Tar and pitch, wood	bbls.	2,130	1,697	18,543	14,707
Tar and Pitch Wood	$	17,757	13,692	140,985	138,164
Other gums and resins	lbs.	246,584	214,874	1,905,420	2,025,052
Other gums and resins	$	97,417	59,436	666,807	572,149

COMPENSATION FOR CHEMICAL RESEARCH

International Union of Pure and Applied Chemistry, in session at Washington, D. C., recently adopted plans to aid research chemists in obtaining compensation for their discoveries. The committee to which was referred the urgent need for pure products for chemical research work decided to proceed along the lines of the inquiry begun by the Committee on Guaranteed Reagents of American Chemical Society.

The committee on biological chemistry recommended that all protides be divided into two groups, the first to contain all amino acids and the second all other protides. A decision will be reached at the Poland conference as to whether the second group shall be called proteins, proteides, protecides, or peptides.

The next meeting of the association will be held in Poland.

William S. Gray & Co., New York, are now offerisg another phenol derivative, 1:2:4 dichlorphenol, manufactured by Southern Dyestuffs Co., Nitro, W. Va. This product is expected to be of special interest to makers of vat dyestuffs. It has a freezing point of 36-37° and is priced at 50c lb in ton lots; 55c lb. in 30 gallon drums; and 60c lb in tins of 1 lb to 100 lbs.

B. C. Pulp & Paper Co., Toronto, Canada, successors to Whalen Pulp & Paper Co., has been carrying on chemical research into the possibility of using hemlock for the production of cellulose and is about to install a new plant for the utilization of this wood.

State Chemical Mfg. Co., 2160 East Second st., Cleveland, O., will build an addition to its plant, two-story, 50 by 120 ft., estimated to cost $30,000, with equipment. It will be located at 2435 Superior ave., Cleevland. J. A. Rudolph is president.

French Minister of Finance is reconsidering Swedish proposals made under the Caillaux Ministry regarding a matches concession, whereby total net profits and annuities over the period of the concession would be remitted immediately to France.

Industrial Alcohol Manufacturers Association announces that alcohol for automobile anti-freeze purposes will be marketed under the trade name, "Freeze-Foil."

German Textile Mills Buying Soda

Caustic Potash Also in Demand—Improved Business Reported With Leather Factories—Sodium Sulfite, Hyposulfite and Bichromates Show Slightly Upward Tendency—Bromides Low—Glycerin Tends Downward Temporarily—Other Chemical Prices F. O. B. Hamburg

(*Special to* CHEMICAL MARKETS)

Hamburg, Germany, Sept. 16 (By Mail)—Caustic potash and caustic soda are in good demand. There are many inquiries from textile mills and leather factories, and sodium sulfide, hyposulfite of soda and bichromates are showing a slightly upward tendency. Bromides are sought at very low prices, especially potassium bromide, and ammonium bromide and sodium bromide are a bit firmer. Glycerin is showing a downward tendency which probably will not be continued as the demand is general at this time of year.

Prices are f. o. b. Hamburg, or free warehouse Hamburg:

Caustic potash $12.85 per 100 kilos; caustic soda 125-128° Be, £12 15s per 1,000 kilos; sulfate of alumina 14-15%, £4 per 1,000 kilos; sulfate of alumina 17-18%, £4 12s 6d per 1,000 kilos. Hyposulfite of soda, commercial crystals, £7 12s 6d per 1,000 kilos; arsenic, white, lumps, £52 per 1,000 kilos; barium carbonate, $2.75 per 100 kilos; barium chloride, crystals, $3.85 per 100 kilos; Epsom salts, techn., crystals, £1 17s 6d per 1,000 kilos; Epsom salts, U. S. P., £4 5s per 1,000 kilos; red lead, £36 10s per 1,000 kilos; white lead, £36 10s per 1,000 kilos; potassium bromide, $64 per 100 kilos; sodium bromide, $69 per 100 kilos; calcium chloride, 70-75%, fused, £3 7s 6d per 1,000 kilos; zinc chloride, £20 per 1,000 kilos; Glauber's salts, small crystals, $1 per 100 kilos; chlorate of potash, $11.75 per 100 kilos; permanganate of potash, £38 per 1,000 kilos; potash saltpeter, £22 per 1,000 kilos; blue vitriol, £20 7s 6d per 1,000 kilos; lithopone, red seal, $8.75 per 100 kilos; sal ammoniac, 98-100%, $8 to $8.25 per 100 kilos.

American participation in a movement to create in Paris a memorial to Marcelin Berthelot, pioneer in the development of modern synthetic chemistry, was proposed at a farewell luncheon at India House to five members of the French delegation to the chemical conferences in Philadelphia. The guests of honor were Paul Sabatier and Gabriel Bertrand, members of the Institute of France, Pierre Bellanger, Justin Dupont and Jean Voisin. Twenty-five men prominent in business and scientific circles were present. German chemists will join the movement. M. Dupont, speaking for the French delegation, said that the proposed memorial would take the form of a building on the Boulevard des Invalides.

Relief is granted to A. Luskin & Co., Inc., Philadelphia, in a decision by United States Customs Court involving the correct tariff treatment of drums containing barium dioxide, were assessed at 25 per cent ad valorem under Paragraph 328, Tariff Act of 1922. The drums having no practical value after removing the contents, should have been admitted free of duty, Judge Young finds in his opinion in favor of the importers.

Within the next six weeks, it is expected in the trade that prices for denatured alcohol will be 2 to 5 cents higher than present level of 33 cents a gallon in drums, says "Wall Street News." Upward revision of two cents may be made in the next fortnight. Current quotation of 33 cents a gallon compares with 53½ cents a year ago.

Upholding customs claims of C. J. Tower & Sons, Buffalo, Judge Young finds that amorphous graphite returned as crystalline dust graphite at 20 per cent ad valorem under paragraph 213, act of 1922, should have been taxed at 10 per cent ad valorem under another provision in paragraph 213.

Powdered tin paste in drums imported by J. J. Gavin & Co., New York, consisting of 60 p. c. ton and 40 p. c. water, was assessed by Customs Court at 12 cents per pound under paragraph 382, Act of 1922, as powdered tin. The water was added to prevent oxidation.

Imports of methanol during July were 34,963 gallons, valued at $14,393, making the total for the first seven months of this year 339,620 gallons, equivalent to two-thirds of the receipts of 508,409 gallons during the entire year 1925.

German wholesale prices on Sept. 22, by index numbers, stood at 126.7 against 127.4 in the preceding week and 126.5 on Sept. 1. The cost-of-living index for August was 142.5, highest since October, 1925.

BRITISH COLORS LOWER

British color manufacturers have reduced prices of vat colors. The trade in cotton materials dyed with fast vat colors has shown considerable expansion of late, and the dyestuff makers are naturally looking to the trade to develop this tendency and thus, by increasing the demand and enabling the makers to produce in larger quantity, gradually to reduce production costs says "Chemical Age" (London). The same tendency in America has recently been noted by Mr. Van Riper, Du Pont Co., who ventures to predict that in five to ten years every piece of washable goods manufactured will be guaranteed absolutely fast. The sense and the love of color has been enormously cultivated among all classes in recent years, and the feeling is growing that the public will not much longer be content with fugitive colors even in the cheapest materials.

Tests on cotton fabrics offered as "guaranteed fast dye" are being made by National Better Business Bureau to develop standards which will eliminate confusing terms. The colors were tested for washing, alkaline and acid perspiration, bleach and light. In the washing test, 150 of the 175 samples came through with no perceptible color loss. With reference to the two perspiration tests, a 100 per cent record was shown with reference to color loss. The record was not so good with reference to the bleaching test. 137 samples coming through without color loss. It was in the light test that the "fast colors" made the poorest showing, but 82 of the 175 samples showed no perceptible color loss.

A new sulfur color, Sulfur Blue BC2G-HC, has been placed on the market by Beaver Chemical Corporation. It is described as the most greenish shade of Navy Blue ever offered by Beaver, being a straight navy blue. It is especially recommended because of is good solubility and level dyeing properties; also by the lack of tendency to bronze, even in deep shades. This feature makes it especially valuable for piece dyeing. Because it is a straight navy blue and very greenish, it is desirable for shading the redder navy blues, which effect has usually been accomplished by combinations of navy and sky blue of different chemical character.

Hummell & Robinson Corp., New York, have increased their capital stock from $100,000 to $150,000.

ARSENATE SPRAYING

After dusting trees with arsenate of lead from an airplane as a control measure against the spread of gypsy moths, says the Department of Agriculture, no larval parasites were found. The experiments were carried out on six plots of approximately 25 acres each. These plots were located from 4 to 20 miles from the landing field. In addition to the actual work of dusting, the experiment called for records of the extent of defoliation at the time of dusting and at the time of pupation, of the percentage of the poison remaining on the foliage after each inch of rainfall, and of the parasite population at each plot.

Walter Barnum, president National Coal Association, and George E. Learnard, president International Combustion Engineering Corp., have accepted invitations from President Thomas S. Baker to serve on the advisory board for the International Conference on Bituminous Coal at Carnegie Institute of Technology Nov. 15-19. Other members include Hon. Andrew W. Mellon, John Hays Hammond, Otto H. Kahn, Charles M. Schwab, Samuel Insull, E. M. Herr, and Dr. Frank B. Jewett. The purpose of the meeting is to bring together the men of all countries who have done notable work in the study of more scientific and rational utilization of soft coal.

Canada reports 114 paper and pulp mills in 1925, capital invested $460,397,772, and number of employees 28,031, who received $38,560,905 in salaries and wages. Pulp was manufactured to the value of $100,216,383, the cost of material amounting to $55,573,720, value of paper manufactured $140,680,177. Exports of wood pulp amounted to 961,367 tons, valued at $47,931,,905 compared with 781,982 tons in 1924, valued at $40,242,972. Exports of paper and paper goods were valued at $106,624,046, compared with $99,248,497 in 1924.

Output from twenty plants in Canada producing acids, alkalies and salts as principal products in 1925 totaled $25,896,782, compared with $24,190,274 in 1924. Capital employed stood at $32,236,424.

Maas Chemical Co. will erect a chemical laboratory and store building in Los Angeles.

Empire State Gas and Electric Association will hold its annual meeting at Lake Placid, Oct. 4-5.

COTTON MENACE

Root rot is a new menace to cotton in Texas. The rot appeared about two weeks ago and has spread like wildfire. Wherever it appears, the plants die and look in the field as if burned by fire. In Dallas County are infected fields in every direction, with from 10% to 50% of the cotton killed. A fair average would be 15% today. Root rot is a disease caused by a fungus growth in the soil, and therefore the percentage of infection today is no measure of what it will be in another week. Its progress can be compared to that of the black rust in the spring wheat belt of the Northwest.

Universal Gypsum & Lime Co., 103 Park ave., New York, formed by a recent merger of Universal Gypsum Co., Chicago, and Palmer Lime & Cement Co., New York, bought about 8 acres near the head of Newtown Creek, Queensborough, N. Y., as a site for the construction of a gypsum products mill.

Continuing the general decline witnessed for several months past, wholesale prices during August dropped 1.5 points, compared with July, to a new low level of 149.2 per cent of the 1912 average, according to the Bureau of Labor Statistics of the Department of Labor. Chemicals and drugs stood at 130.8 in August, 130.9 in July, compared with 134.6 in August, 1925.

Four new vat dyestuffs, indanthrene printing brown 3R paste, indanthrene printing violet BBF paste, indanthrene blue 8GK and indanthrene golden yellow GK double paste, have recently been put upon the German market by the Hoechst branch of I. G. Farbenindustrie A. G.

City Council, Sacramento, Cal., will make extensions and improvements in the filtration plant at the municipal waterworks to cost $350,000, including the installation of chemical and other equipment. Bonds have been approved in amount noted. A. J. Wagner is city engineer.

City Council, Hamilton, Ont., has plans under way for the installation of a new filtration plant at the municipal waterworks estimated to cost in excess of $500,000 with equipment.

Cases pending before Federal Trade Commission on Sept. 1 numbered 152; applications for complaints, 436.

August Dye Imports Up 28,989 Pounds

Value Off $4,920—Total for Eight Months 456,955 Lbs. Below Last Year —Five Leading Dyes Are Cibanone Yellow, Rhodamine B, Indanthrene Yellow G, Indanthrene Blue GCD, and Helindone Printing Black—Germany's Percentage Falls From 60 to 47—Switzerland Increases from 30 to 34 Per Cent

Dyes imported into this country during August reached a total of 340,414 lbs., valued at $298,159; against July imports of 351,425 lbs., valued at $303,079; and against August, 1925, imports of 330,674 lbs., valued at $303,612. Figures for the first eight months compared with the same period of 1925 are as follows:

	1926		1925	
	Pounds	Inv. Value	Pounds	Inv. Value
January	190,459	$ 184,018	403,984	$ 359,376
February	479,027	477,255	373,259	365,268
March	487,804	435,891	527,964	488,501
April	437,526	401,606	451,005	426,141
May	392,739	343,745	370,271	347,904
June	333,319	317,896	376,668	333,654
July	351,425	303,079	420,849	400,366
August	380,414	298,159	330,674	303,612
Total 8 Months	**3,052,713**	**$2,761,649**	**3,509,668**	**$3,317,071**

Imports of coal-tar dyes for the month of August, 1926 by ports are as follows:

	Pounds	Inv. Value
New York	371,336	$289,868
Albany	8,143	7,608
Boston	920	668
Detroit	15	15
Total	**380,414**	**$298,159**

Five Leading Dyes, by Quantity, Imported During August, 1926

Cibanone yellow R (single strength)	32,182 pounds
Rhodamine B (single strength)	24,165 pounds
Indanthrene yellow G (single strength)	17,544 pounds
Indanthrene blue GCD (single strength)	11,998 pounds
Helindone printing black RD paste	10,000 pounds

Dyes and Intermediates Remaining in Bonded Customs Warehouse

Date	Coal-tar Dyes & Colors	Coal-tar Intermediates
January 31, 1926	703,159 pounds	763,409 pounds
February 28, 1926	596,154 pounds	855,170 pounds
March 31, 1926	447,588 pounds	896,530 pounds
April 30, 1926	359,164 pounds	928,593 pounds
May 31, 1926	535,226 pounds	946,120 pounds
June 30, 1926	671,396 pounds	772,475 pounds
July 31, 1926	212,186 pounds	781,796 pounds

Per cent of Dyes by Country of Shipment

Country	August, 1926	July, 1926	June, 1926	May, 1926
Germany	47	60	51.5	60
Switzerland	34	30	36	28
France	2.5	2.7	1	1
England	0.5	1.4	7.5	3
Belgium	5.5	4	3	5.5
Canada	8.5	—	0.5	0.5
Italy	2	1.5	0.5	1
Holland	—	—	—	1
All others	—	0.4	—	—

The dyes in this report are grouped by Schultz numbers, and, in the case of those which could not be identified by this number, the classification according to the ordinary method of application was adopted. As the pastes and powders of the vat dyes vary widely in strength and quantity, each vat dye has been reduced—in nearly every case—to a single strength basis.

In this report the following abbreviations are used to designate the country of shipment in connection with the tabulated data:

G for Germany; F for France; E for England; I for Italy; B for Belgium; C for Canada; S for Switzerland, and H for Holland.

KEY TO ABBREVIATIONS

1. The Six Leading German Companies

A. Actien Gesellschaft fur Anilin Fabrikation, Berlin, Founded 1873.

B. Badische Anilin-und-Soda Fabrik, Ludwigshafen on-the-Rhine, Founded 1865.

BY. Farbenfabriken, normals Friedr. Rayer & Co., Leverkusen on-the-Rhine, Founded 1862.

C. Leopold Cassella & Co., Frankfort on-the-Main, Founded 1870.

K. Kalle & Co., A. G. Biebrich on-the-Rhine, Founded 1870.

M. Farwedke, vormals Meister Lucius & Bruning., Hochst on-the-Main, Founded 1862.

2. The Smaller German Companies

BK. Leipziger Anilinfabrik Beyer & Kegel. Forstenberg, near Leipzig, Founded 1882.

GG. Chemikalienwerk Griesheim G m. b. H., Offenbach-on-the-Main, Founded 1882.

CJ. Carl Jager G. m. b. H., Anilinfarbenfabrik, Dusseldorf, Founded 1823.

Gr-E Chemische Fabrik Griesheim-Electron, Offenbach-on-the-Main, Founded 1842.

L. Farbwerk Mulheim, vormals A. Leonhardt & Co., Mulheim-on-the-Main, Founded 1879.

tM. Chemische Fabriken vormals Weil ter Meer, Uerdingen-on-the-Rhine, Founded 1877.

WD. Wulfing, Dahl & Co, A. G. Barmen, Founded, 1842.

3. Swiss Companies, all at Basel.

DH. Farbwerke vormals L. Durand, Huguenin & Co., Founded 1871.

G. Anilinfarben-und Extract-Fabriken, vormals Joh. Rud. Geigy, Founded 1764.

I. Gebellschaft for Chemische Industrie, Founded 1885.

S. Chemische Fabrik, vormals Sandoz & Co. Founded, 1887.

4. Dutch and French Companies.

NF. Niederlandische Farben-und-Chemikalienfabrik Delft, Delft, Netherlands, Founded 1897.

CNI. Compagnie Nationale des Matieres Colorantes et Produits Chimiques, Founded 1917.

FA. Farbwerk Ammersfoort, Ammersfoort, Netherlands, Founded, 1888.

P. Societe Anonyme des Matieres Colorantes et Produits Chimiques St. Denis. (formerly A. Poirier). Founded 1830.

5. English Companies

Bro. Brotherton & Co., (Ltd.) City Chambers, Leeds.

BAC. British Alizarine Co., (Ltd.), Manchester.

BD. British Dyestuffs Corporation (Ltd.) London

Cl Co. The Clayton Aniline Co., (Ltd.) Clayton, Manchester.

Scot. Scottish Dyes (Ltd.), Grangemouth.

CV. The Colne Vale Dye and Chemical Co. (Ltd.), Milnsbridge, Huddersfield.

Hol. L. B. Holliday & Co. (Ltd.) Grangemouth 1Etablissements Kuhlman merged with this company in 1923.

Imports for August follow:

DYES OF COAL-TAR ORIGIN

Schultz No.	Dye and Maker	Quantity Pounds
48	Metachrome yellow RA—IG	2
58	Chrome orange R—DH	110
156	Ortho cerise B—IG	2
	Benzo fast red 8 BL—IG	400
256	Sulphon cyanine G—IG	2,000
273	Blue NA—IG	167
	Benzo fast heliotrope BL—BY	1,500
	Benzo fast heliotrope 2RL—BY	
	Brilliant benzo violet B—BY	1,156
296	Cotton yellow G extra—IG	300
	Chlorantine fast yellow 4 GL—I	661
319	Chloramine red B—S	6,007
	Chloramine red 3B—S	
	Benzo violet R—IG	25
339	Diamine orange B—IG	500
358	Chloramine red 8 BS—BY	330
	Chromocitronine R—DH	441
364	Diazo brilliant black B—IG	500
400	Brilliant milling red R—IG	1,402
400	Acid milling red R conc.—G	
404	Diamine yellow N pdr.—IG	100
448	Diamine bronze G—IG	25
449	Trisulphon brown B conc.—S	2,000
472	Chloramine blue HW—S	2,000
476	Benzo chrome brown G—IG	50
206	Diphenyl catechine G supra—G	4,409
22	Supra light yellow 2 GL—BY	2,336
496	Rhoduline blue 6 G—IG	951
496	Setoglaucine—G	
496	Setocyanina—G	110
502	Guinea green B—IG	2
503	Benzyl green B—I	
503	Brilliant acid green 6 B—BY	1,736
503	Guinea fast green 3 B—IG	
503	Proseidon green SGX—IG	
505	Acid green conc.—M	15
506	Kiton blue L—I	2,205
512	Magenta AB—IG	2,000
516	Crystal violet C conc.—G	110
518	Ethyl violet—B	400
531	Eriocyanine AC—G	1,102
539	Water blue—AG	200
543	Brilliant acid blue V—BY	3,000
543	Patent blue V—I	
545	Kiton blue A—I	551
546	Blue extra—C	477
546	Blue FF—C	477
551	Eriochrome azurol BC—G	2,205
555	Azurine—IG	336
558	Victoria blue R—I	220
559	Basic pure blue BO—B	591
564	Alkali fast green 3 G—IG	1,987
579	Sulpho rhodamine B—M	76
573	Rhodamine B conc. (s.s.)—G	24,165
573	Rhodamine B extra (s.s.)—B	
573	Rhodamine B extra (s.s.)—I	
573	Rhodamine B extra (s.s.)—IG	
574	Rhodamine 3B extra (s.s.)—IG	125
580	Fast acid violet B—IG	300
582	Fast acid violet R—IG	100
582	Brilliant phosphine 5G—I	992
	Patent phosphine G—I	
607	Runic AL conc.—IG	200
608	Euchrysine RRDX—B	2,060
	Patent phosphine GRNTN—IG	
672	Azo carmine GX—B	1,857
672	Azo carmine GX—IG	
673	Azocarmine BX—IG	683
	Rosinduline 2B bluish—K	
	Benzyl fast blue BL—I	2,057
	Zylene milling blue GL conc.—S	
923	Fur blue black A—IG	725
923	Fur blue black SB—IG	

(Continued on page 867)

[The Industry's Finances]

COMMERCIAL SOLVENTS EXPANDING

Butyl Alcohol and Ammonia Plants Being Built at Peoria, Ill.—Increasing Demand for Its Products

Establishment of Commercial Solvents Corp. shares on an $8 dividend basis is the logical sequel of the financial steps by which 109,000 shares of Class B stock have become the sole capital obligation, plus a splendid run of earnings. The company is in good financial condition, and the dividend rate is conservative, says "Wall Street Journal." It is estimated Commercial Solvents will earn $17 to $19 a share this year. First quarter was at the rate of only $13 a share on the present set-up, but the second and third quarters were considerably better. Ordinarily, the second half is an improvement over the first six months.

It will be recalled that early in the Summer the company called for redemption the 6½% note issue, of which original amount was $3,200,000, and retired its $1,000,000 8% preferred stock. Conversion of notes and of the approximately 40,000 shares of A stock left a clean balance sheet. Ability of the company to expand plant operations gradually out of earnings has made possible the elimination of all but the 109,000 shares of Class B stock.

The company is building butyl alcohol and ammonia plants at Peoria. Butyl alcohol is ,of course, the base of the new lacquer paint finishes, and ammonia utilizes a by-product hydrogen gas of butyl alcohol. Management is working on other schemes of utilizing by-products which have heretofore been wasted. Lacquer business is growing by leaps and bounds.

[Foreign Exchange]

	Par	Current
Great Britain (pound sterling)	4.866	4.850
France (franc)	.193	.028
Italy (lira)	.193	.368
Belgium (franc)	.198	.027
Czechoslovakia (crown) per 100	20.30	2.96
Denmark (krone)	.268	.265
Germany (mark)	.238	.238
Holland (florin)	.402	.401
Poland (zloty)	.193	.115
Norway (krone)	.258	.219
Spain (peseta)	.193	.152
Sweden (krone)	.268	.267
Switzerland (franc)	.193	.193
Argentina (peso)	.414	.407
Brazil (milreis)	.324	.151
Japan (yen)	.499	.486
India (rupee)	.485	.363
China (Silver dollar Hongkong)	.789	.511
(Tael—Peking silver)	1.146	.670
(Tael—Shanghai, silver)	1.986	.654

Sherwin-Williams Co.'s report for fiscal year ended Aug. 31, 1926, will show record business exceeding last year's volume of sales, which amounted to $55,166,580, the highest in the company's history with the exception of the abnormal inflation period of 1920, says "Wall Street Journal." Sales during July and August were exceptionally good and considerably in excess of the same months of 1925. Finances are in excellent condition. Cash on hand August 31 totaled approximately $3,000,000, which alone is sufficient to take care of current bills payable, the only indebtedness.

United Indigo & Chemical Co., England, showed profits for the year of £17,111 against £21,440 for last year. George Heyward, chairman, said that the company had been making light colors, but he had heard that before long there might be a change to heavier and darker shades, which would be helpful. If such were the case, there were signs, he predicted, of a considerable all-round improvement in trade.

United States Smelting, Refining & Mining Co., will earn this year $15 a share on its 351,117 shares of common stock after all charges and preferred dividends, but before depreciation and depletion. After paying the regular dividends of 7 per cent on the common there will remain $4,000,000 available for depreciation of plant and equipment, depletion and amortization.

Imperial Dyewood Corp., Boston shows surplus of $31,356 Dec 31. Assets include accounts receivable $78,745, notes receivable $265, cash $5,240, merchandise $276,448. Good will is valued at $69,431; accounts payable $3,788 and notes payable $150,808. The company is capitalized at $270,000 and is incorporated under the laws of Virginia.

Archer-Daniels Midland Co. announces that it has now retired 7,000 shares of its preferred stock, which leaves 43,000 still outstanding of the 50,000 issued. Of the shares retired, 1,000 were in excess of the amount required under the terms of the issue to be redeemed up to Jan. 1, 1927.

TEXAS GULF SULPHUR CO.

Texas Gulf Sulphur Co. announces that having complied with the legal and Stock Exchange requirements in connection with the change in the company's capital structure, it is now prepared to exchange certificates for the new no par stock for the old $10 a share par stock on the basis of four new shares for each of the former par value shares.

The balance sheet of the Texas Gulf Sulphur Co., as of June 30, 1926, shows current assets of $12,447,784, compared with $11,362,827 as of Dec. 31, 1925, and current liabilities, $424,624, against $458,952, leaving net working capital of $12,023,160, compared with $10,903,875. says "Wall Street News":

Assets		
Lands & devel.	$2,823,556	$2,959,875
Plants, buildings, etc.	6,232,642	5,987,963
Matls. suppls. & sulfur inventories	7,047,538	6,343,275
Cash	4,145,966	3,672,902
Accts. rec	1,082,140	1,159,403
N. & tr., acceptances rec	88,873	114,725
Misc. recvbls. & advs.	55,407	44,663
Secs	27,858	27,858
Def. assets	29,821	21,870
Total	$21,533,806	$20,332,537
Liabilities		
Cap. stk.	*$6,350,000	$6,350,000
Accts. pay	302,663	293,395
Tax. accrd. State	121,961	165,556
Res. Fd. taxes etc.	976,621	969,444
Res. deprecn.	5,926,742	5,313,866
Surpl. incl. res. for deplet.	7,855,818	7,240,275
Total	$21,533,806	$20,332,537

*Represented by 635,000 shares ($10 par value)

Corn Products Refining Co., have declared a quarterly dividend of 50c a share on the common, payable Oct. 20 to stock of record Oct. 4. Three months ago a 25c extra was paid. A quarterly dividend of 1¾% was declared on the preferred stock, payable Oct. 15 to stock of record Oct. 4.

Cellulose Holdings & Investment Co., Ltd., London, is increasing its capital from £55,000 to £500,000 by creating 8,900,000 shilling-ordinary shares. Cellulose Holdings also propose to change the name of the company to International Holdings & Investment Co., Ltd.

Options have been obtained on New Market, Tenn., by Eastern capitalists. Grasselli Chemical Co. has prospected and is preparing to build a mill and mine the ore body under about 500 to 1,000 acres. United States Steel Co. has options on about 2,500 acres.

An interest in Fabrique de Soie Artificielle de Turbize, Paris, is sought by Alfred Lowenstein, chairman Cellulose Holdings & Investment Co., Ltd., Belgium.

EQUIPMENT RIGHTS SOLD

Swenson Evaporator Co., subsidiary of Whiting Corp., Harvey, Ill., has taken over the manufacture and sale in United States of the special line of apparatus and equipment, heretofore manufactured and sold by Glamorgan Pipe & Foundry Co., including continuous causticizing system with lime recovery, continuous pulp washing systems, continuous discharge gas fired lime kilns, rotary vacuum filters, caustic pots and seatings, special calcining furnaces, centifugal pumps for molten caustic, flakes, vacuum pumps, dryers.

W. D. Mount, chemical engineer, will act as consulting engineer in connection with the manufacture and sale of these specialties, and will continue his office at 602 Peoples National Bank Building, Lynchburg, Va.

LIQUID CARBONIC CORP.

Statement of Liquid Carbonic Corp., as of June 30, 1926, shows total assets of $11,297,252 and profit and loss surplus $1,888,823. Balance sheet of The Liquid Carbonic Corp., as of June 30, 1926, follows: Assets: Cash $366,278; accounts receivable $1,909,452; notes receivable $3,430,762; inventories $1,976,528; investments $32,166; real estate, buildings, machinery, etc., less depreciation, $3,530,463; goodwill patents, processes, etc., $1; deferred charges $51,602; total $11,297,252. Liabilities: Preferred stock $2,999,800; common stock $2,389,600; accounts payable $363,204; notes payable $2,803,972; accrued accounts $315,506; customers' credit balances and deposits $83,721; reserves $452,626; surplus $1,888,823; total $11,297,252.

Glidden Co., Cleveland, reports net profits for August after all charges $181,551, compared with $162,095 during August, 1925. Sales for the first half of September, according to President Joyce show an increase of 10% over the big figures reported for the similar period last year.

Coke production during 1925 amounted to 51,266,943 tons, valued at $262,559,137. Of the total output, 39,912,159 net tons was by-product coke, valued at $210,827,571 and beehive coke, 11,354,784 net tons, valued at $51,731,566.

American chemicals are not in very good demand in Poland, writes Ronald H. Allen, acting commercial attache, Warsaw, owing to credit shortage, currency depreciation, and rigid import restrictions.

[Stocks & Bonds]

	1925		1926		Current		Ann.
	High	Low	High	Low	Bid	Asked	Div.
*Air Reduction	115	86½	119¼	107⅝	130⅞	132	5
*Allied Chem	115¾	80	140	106	143½	143¾	4
*Allied Chem pfd	112¼	111	121⅞	118¾	121¾	122	7
*Am Ag Chem	29⅞	13½	34⅜	17¼	16	16¼	
*Am Ag Chem pfd	82½	36½	96½	60½	53	53½	
Am Can	...	...	58	38⅞	54¼	54½	
Am Can pfd	121⅞	115	125½	121	122	124	
*Am Cyan "A"	...	...	46	36⅞	36	39	
*Am Cyan "B"	...	...	47	35¼	36	39	
*Am Linseed	59¼	20	52⅞	28½	37	39	
*Am Linseed pfd	89	58	87	75	70	80	
*Am Metals	57⅝	45¾	56⅝	47	49½	50	4
*Am Metals pfd	118	110	119	115	112	117	
Am. Rayon Prod.	**51⅞**	**26⅝**	**35¾**	**29¾**	...	...	
Amer Smelting	114½	90⅜	144¾	112⅛	142	142¼	7
*Am Smelting pfd	115¼	105½	117½	112⅞	118½	119⅛	
*Am Zinc	12½	7⅞	12⅛	7¼	6¾	7⅜	
*Am Zinc pfd	44⅞	24⅞	48⅛	26⅛	32	34	
Anglo Chil. Nitrate	**101**	**97⅛**	**100¼**	**95¾**	.	.	
*Archer-Dan-Mid	46	26	44¾	36	40½	42½	
*Archer-Dan-Mid pfd	105	90½	105	100	105	107	
*Armour Del pfd	100	90⅛	97⅞	93	94	94½	
*Atlas Powder	65	45	59	54	59½	60	4
*Atlas Powder pfd	94	90⅛	97⅞	96	95½	98	
Brooklyn-Un-Gas	100¼	73⅜	78¾	68	91¾	92	4
By-Products Co.	...	...	...	...	70	72	
By-Products Co. pfd	...	...	...	...	106	110	
*Calla L & Z	4⅜	1¼	2⅝	1½	1⅝	1⅞	3
Canad. Ind.	**20⅜**	**14**	**20**	**16¼**	**16⅞**	...	
Canad. Salt	**154½**	**140**	**145**	**131**	**105**	**115**	
Casein Co	...	...	...	...	145	155	
Celluloid Corp	50¼	18⅝	26	15	14	17	
Celluloid Corp pfd	97	65	68	55	67	70	
*Certainteed Prod	58⅜	40⅜	49½	37⅛	41¾	42	
Charcoal Iron	**35⅛**	**12⅞**	**33½**	**24**	**10**	**20**	
Chesebro. Mfg. Co.	**74⅝**	**48¼**	**72½**	**65**	**67**	**69**	
Clark Co. Fred	**5**	**2¼**	**5**	**2¾**	**2½**	**4**	
Cleve Cliff Iron	**75**	**56**	**75**	**69⅛**	**70**	**75**	
*Columb Carbon	62¾	40¾	69⅞	55⅝	65	65½	
*Com Sol B	189	80¼	144⅞	118¼	177¾	178	
*Cont Can	93½	60	92½	70	74⅜	75	5
***Cont. Can. pfd.**	**118**	**114**	**118⅞**	**117½**	...	...	
*Corn Prod	42⅜	32⅜	43⅜	35⅝	45¼	46	
*Corn Prod pf	127	118⅛	129⅛	122½	124	127	7
*Davison Chem	40¾	27⅛	46¾	27⅛	33½	34¼	7
***Davison Chem. pf.**	.	.	.	.	**43¼**	**43½**	
Devoe & Rayn A	90¼	52	103	33⅞	35½	36	
*Devoe & Rayn B	...	...	101½	40	97¼	103⅛	
*Du Pont deb	104¾	90	104½	101	106	107½	10
*Du Pont de Nem	271¼	113¼	238⅞	193⅛	315	315½	10
*Eastman Kodak	118	104⅞	112⅝	106⅝	116¾	117½	
*Freeport Texas	24⅞	8	30½	19⅝	28½	28¾	
***Gen Asphalt**	**70**	**42½**	**73**	**50**	**86½**	**87**	
*Gen Asphalt pfd	109	86½	118¾	94⅞	126	139	
*Glidden	26½	12½	25¾	18	20½	20⅝	
*Gold Dust	51	37	56½	41½	47¼	48	
Grasselli	**133½**	**125**	**145**	**120**	**125**	**130**	**8**
Grasselli pf.	**106**	**101¾**	**108⅛**	**102**	**101**	**103**	**8**
Hercules Powd	140	105	152	140½	168	175	6
Hercules Powd pfd	113½	104½	114⅜	110	115	117	7
*Household Prod	47⅛	34½	49⅜	40	43¾	44⅛	
Industrial Rayon	26⅞	17	19⅞	10½	6½	6½	
*Intl Agri	24⅛	7⅛	26¼	15¼	14	14½	
*Intl Agr. pfd	85	40	35	83½	81½	83	2
*Intl Nickel	48½	24½	46½	32⅝	36⅛	36½	2
*Intl. Salt	87⅛	67	84⅝	80	76	80⅛	6
Mac And. & Forbes	...	...	**46¼**	**40**	**40½**	**41½**	
*Mathieson Alk	107¼	51	106⅛	69⅞	77	79	4
***Mathieson Alk pf.**	**100**	**97**	**100**	**100**	..	..	
Merck & Co.	...	...	...	...	53	55	
Merrimac	...	...	...	...	**75**	**80**	
*Natl Dist	43½	29⅝	34	18	20	20⅞	
*Natl Dist pf	81	52½	73⅛	57	45½	49	
*Natl. Lead	174	138½	174¾	138	155	156½	
*Natl Lead pfd	118¾	114¼	117½	116	116	118	
N J Zinc	**214⅛**	**181**	**214½**	**180**	**203**	**206**	
Niag. A. pf.	...	...	...	.	**80**	**85**	
*Owens Bottle	60⅜	42¾	68¼	53¾	83¼	84	3
Penn Salt	...	...	91	71	**76**	**77**	5
*Peoples Gas Chi	130	117	122	112	125½	126¾	3
Proc. & Gam.	140	109	163	142½	156	...	
Shawinigan	**175**	**130½**	**191**	**167⅛**	**170**	...	
*Sherwin-Williams	**43½**	**42¼**	**108**	**107**	**106**	...	
*St. Jos Lead	52½	36⅜	48⅛	37⅞	40½	41½	2
Silica Gel	35	11¼	21	11⅞	15	17	
Swan & Finch	**27**	**12**	**21**	**18**	**19⅞**	**21**	
Swan & Finch pf.	**18**	**18**	.	.	**20**	**30**	
*Swift & Co.	120	109	116	110	115	115½	
Tenn C & C	15¼	7⅝	16	10⅞	11	11⅜	1
Texas Gulf & S	121½	97½	142	119½	175	175½	10
*Union Carbide	87	85	86½	73	90¼	90¾	
*United Dye pfd	67	60	58	58	35½	54	
Un Gas Imp	120½	79⅛	144½	84⅛	**128**	**132½**	
U. S. Gypsum	202	115	158	125	**154**	**155½**	
U S Ind Al	97¼	72½	75½	45⅜	80¼	80½	
*U S Ind Al pfd	115	102	104⅜	92¾	105¼	109	
*Va Car 6% w 1	...	...	69	52¾	41½	42	
Will & Baumer	.	.	.	.	16½	.	

*Listed on New York Stock Exchange

[Industrial Chemicals]

ACETIC ACID REMAINS WEAK; GLAUBER'S SALTS FIRMER

Acetic Acid Prices in Competition Said to Figure Back to a Market for Acetate of Lime of $2.50, Against Present Prices of $3.25—Demand Very Heavy—Glauber's Salts Now at Minimum of $1.05—Glycerin Eases Further—Glycol in Heavy Demand—Copper Sulfate Steady—Barium Salts Quiet

Advanced

Glauber's Salts, Dom., 5c 100 lbs.

Declined

Ethyl Acetate, 4c gal. Glycerin, soap, lye ½c lb.

	Trend of the Market					
	Today	Two Weeks Ago	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial c-l ....lb.	$.11½	$.11½	$.11⅛	$.10	$.19⅛	$.07
Sulfuric Acid, Tanks 66° ..ton	15.00	15.00	15.00	14.00	55.00	20.00
Amm. Sulfate c-l NY ..100lbs.	2.40	2.40	2.40	2.75	7.50	2.65
Bleaching Powder, c-l ..100lbs.	2.00	2.00	2.00	1.90	9.50	1.50
Copper Sulfate c-l NY ..100lbs.	4.75	4.75	4.75	4.60	20.00	4.60
Potash, Caustic c-l Imp., ..lb.	.07⅛	.07⅛	.07½	.07⅛	.87	.08
Soda Ash, 58 p.c. c-l ..100lbs.	1.94	1.94	1.94	1.94	3.50	.80
Caustic Soda, 76 p.c. c-l 100lbs.	3.66	3.66	3.66	3.66	9.50	1.42
Potassium Bichromate .....lb.	.08¼	.08¼	.08¼	.08½	4.65	.06¼
Sodium Prussiate .....lb.	.10	.10	.10	.10¼	1.25	.18
Average	3.012	3.012	3.012	2.921	10.79	2.99

Current Spot Quotations and Comments on Specific Items, Pages 872-882

Demand for industrial chemicals is of steadily increasing volume on the entire list and prices generally are being maintained without difficulty. The approaching contract season is expected to bring consumers under cover at quoted prices without much excitement.

Acetic acid is the outstanding item from the weak side of the market. Prices are being cut sharply especially in the Paterson district where a new maker is operating. The new maker is obtaining his acid direct from the crude by extraction with ether. The quotations heretofore have been based on acetate of lime prices which have been firm at $3.25 100 lbs. The present competitive prices are stated to be the prices at which acid would sell if acetate of lime were priced at $2.50. Output of acid has increased very rapidly due to the heavy use in lacquer solvents, and some makers indicate that there is room for more than one new maker in the field.

Chlorine consumption is increasing and makers are very firm in their quotations. Caustic soda is firmer than it has been and schedule prices are in force in practically all cases. Ammonia manufacturers report a strong condition in regard to quotations for both aqua and anhydrous material. Prussiates and bichromates are being well controlled by domestic makers.

The solvent group remains weak as to prices although the demand is very heavy. Ethyl acetate is selling at lower figures in some directions. Butyl acetate remains at low levels. Methanol continues strong and factors report that material is being allotted to buyers as it is produced. Glycerin continues in an easy state with prices none too firm on most grades. Ethylene glycol is now reported to be in use by every leading manufacturer of explosives, although production of this material is far from sufficient to satisfy the demand for automobile anti-freeze purposes.

Barium salts are quiet and unchanged. Copper sulfate is moving in a large way and makers continue to control the market at firm unchanged prices. Makers of Glauber's salts report a much firmer condition and have advanced quotations. Calcium chloride is unchanged at the moment, but a decline is reported likely in the carlot price.

AMMONIA PLANTS

A survey of the capacity of plants producing synthetic anhydrous ammonia under licences of Swiss Company Ammonia Casale, with headquarters at Lugano, reveals that at the end of May the total capacity of plants in operation was 135½ metric tons of anhydrous ammonia per twenty-four hours, while the potential capacity of plants under construction throughout the world at that time was 539 metric tons of anhydrous ammonia. Large new units are under construction in France, Japan, Russia and England.

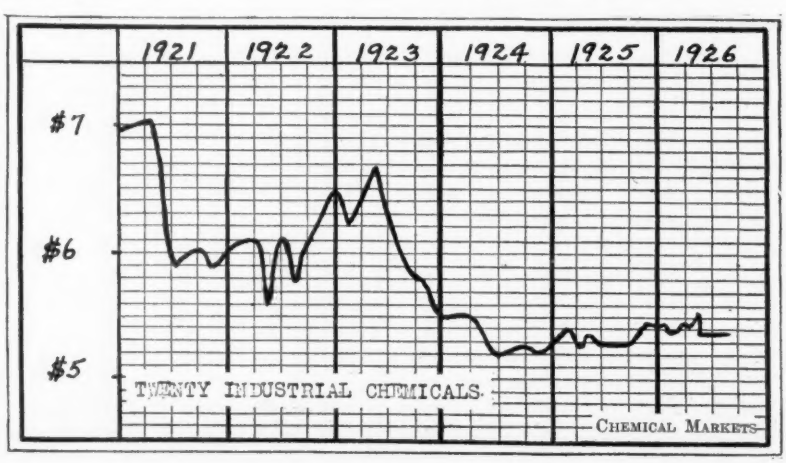
Ammonia salts have been discovered in the Gatineau district on Gens River, Canada, about 62 miles above Maniwaki, Quebec. The organic matter from which the ammonia salts is to be produced has been found to extend over 160 acres in large quantities, on which four claims have been staked.

Reports received by the U. S. Department of Labor, from 116 chemical plants gave their employment in July at 28,896 increasing in August to 29,098, a gain of .7 per cent. Payrolls in these plants decreased 0.6 per cent from $789,812 in July to $785,318 in August.

Federal Tungsten Co., formerly Capital Chemical Co., will be dissolved and Philip McKenna, president, has been named receiver by equity court, Washington, D. C., to distribute $60,000 in assets. There are no debts.

N. D. Biddison, of the sales force of General Chemical Co., left last Friday for the San Francisco office of the same company to join the sales force there.

A Congress of Industrial Chemistry is being held at Brussels, and will remain open until Oct. 2.



July Chemical Imports

Varnish Gums and Resins (Free)

Commodity	Quantity	Unit	Value
Damar	1,167,248	lbs.	$164,180
Kauri	580,070	lbs.	112,224
Shellac	3,388,449	lbs.	909,066
Kongo gum		lbs.	
Lac, crude, seed button and stick	894,118	lbs.	227,103
Manila gum		lbs.	
East India gum		lbs.	
Sandarac	6,538	lbs.	1,632
Copal and other varnish gums	1,750,034	lbs.	148,111

Turpentine, Tar and Pitch

Turpentine, Spirits, of.	22,774	gal.	20,100
Turpentine gum, including Venice	61,348	lbs.	6,007
Tar and pitch of wood	4,623	bbl.	21,440
Burgundy pitch	22,050	lbs.	1,752

Vegetable Oils (Free)

China wood oil	6,689,934	lbs.	643,428
Vegetable wax	649,548	lbs.	152,820

Dyeing and Tanning Materials

Logwood	992	ton.	17,549
Nutgalls and gall nuts.	372,000	lbs.	356,616
Tumeric	125,891	lbs.	6,497
Crudes for dyeing Nspf	38,025	lbs.	805

Camphor (Dutiable)

Camphor, nat. crude	65,196	lbs.	39,249
Camphor, nat. refined	84,830	lbs.	60,692
Camphor, synthetic	95,783	lbs.	53,153

Vegetable Oils (Dutiable)

Linseed Oil	676,909	lbs.	45,956
Stearin, palm and others	22,246	lbs.	1,341

Non-Metallic Minerals (Free)

Pyrites	50,193	ton.	110,105
Sulphur & sulphur ore		ton.	
Sulphur in other forms	19,748	lbs.	2,034

Crude Coal-Tar Products (Free)

Dead oil	11,612,179	gal.	1,513,984
Pyridine	75,279	lbs.	34,145
Benzene	361,732	lbs.	7,133

Acids and Anhydrides (Free)

Arsenious acid	3,310,974	lbs.	105,604
Sulphuric acid	6,847,592	lbs.	34,271
Hydrochloric acid	2,495	lbs.	98

Other Chemicals (Free)

Copper sulphate	57,965	lbs.	2,603
Potassium cyanide	13,558	lbs.	5,552
Potassium nitrate, crude	29	ton.	1,788
Sodium cyanide	1,971,000	lbs.	190,247
Sodium bisulphate	4,620	lbs.	271
Sodium sulphate crude.. (salt cake)	835,240	lbs.	3,552
Calcium acetate crude.	454,006	lbs.	12,795
Calcium chloride	1,620,342	lbs.	10,513
Copper, acetate and subacetate	7,705	lbs.	778
Ferrous sulphate	11,326	lbs.	115

Fertilizer & Fertilizer Materials (Free)

Calcium cyanimid	3,205	ton	159,057
Calcium nitrate	854	ton.	33,250
Sodium nitrate	23,367	ton.	1,049,534
Guano	2,584	ton.	123,290
Dried blood	227	ton.	11,580
Tankage	893	ton.	35,262
Amm. sulphate nitrate	50	ton.	3,494
Other nitrogenous mat.	1,157	ton.	19,978
Bone phosphates	2,990	ton	89,002
Phosphate rock, crude	68	ton.	800
Other phosphate materials crude	111	ton.	3,160
Potas. chloride, crude	14,398	ton.	454,804
Potas. sulphate, crude.	7,990	ton.	344,356
Kainite	11,393	ton.	69,588
Manure salts	33,999	ton.	348,458
Ashes, wood & best root	15	ton.	207
Other potash-bearing substances	3,299	ton.	44,034
Prepared fertilizers	48	ton.	2,172
Other substances used for manure	2,851	ton.	31,364

Acids and Anhydrous (Dutiable)

Commodity	Quantity	Unit	Value
Oxalic acid	$115,587	lbs.	$5,775
Tartaric acid	115,695	lbs.	23,238
Acetic acid not more than 65%	577,867	lbs.	26,231
Acetic acid, more than 65%	168,050	lbs.	20,229
Phosphoric acid	16,120	lbs.	1,666
Tannic, 50% or more	14,701	lbs.	4,532
Acids, & acid anhydrides, n.s.p.f.	43,797	lbs.	6,496

Alcohol (Dutiable)

Butyl alcohol	743	lbs.	118
Fusel oil	295	lbs.	54
Methanol	34,963	gal.	14,393
Propyl alcohol	79	lbs.	24

Other Chemicals (Dutiable)

Amm. chloride, white	1,086,714	lbs.	41,788
Amm. chloride gray	33,409	lbs.	1,343
Ammonium nitrate	477,267	lbs.	22,920
Amm. carb. & bicarb.	35,268	lbs.	2,608
Amm. perchlorate	22,571	lbs.	1,827
Amm. phosphate	13,272	lbs.	1,465
Barium carb. precip.	1,607,295	lbs.	15,921
Barium chloride	161,177	lbs.	2,539
Barium hydroxide	64,991	lbs.	999
Barium nitrate	55,506	lbs.	2,299
Calcium carbide	1,349,710	lbs.	49,924
Cobalt oxide	45,500	lbs.	86,281
Bleaching powder	175,420	lbs.	4,399
Citrate of lime	782,192	lbs.	79,795
Glycerine—crude	2,816,689	lbs.	434,619
Glycerine—refined	1,131,941	lbs.	231,637
Magnesium, carbonate	14,792	lbs.	1,332
Magnesium chloride	1,454,924	lbs.	9,656
Magnesium oxide	30,651	lbs.	7,815
Magnesium sulphate	830,412	lbs.	5,292
Magnesium silicofluoride	15,424	lbs.	975
Potassium carbonate	966,801	lbs.	53,702
Caustic potash	998,397	lbs.	60,624
Potassium bitartrate, crude, not more than 90%	2,046,833	lbs.	148,758
Potassium bitartrate, crude more than 90%	22,415	lbs.	2,658
Potassium chlorate	1,525,056	lbs.	54,947
Potassium perchlorate	5,600	lbs.	524
Potassium bicarbonate	68,823	lbs.	4,022
Potassium ferrocyanide	23,543	lbs.	3,064
Potassium nitrate, ref.	694,339	lbs.	31,361
Potassium permanganate	94,670	lbs.	7,794
Sodium ferrocyanide	45,034	lbs.	3,253
Sodium nitrate	41,207	lbs.	1,481
Sodium acetate	101,410	lbs.	6,666
Sodium bisulphite	127,368	lbs.	3,139
Sodium bromide	113,966	lbs.	44,943
Sodium carbonate, cal.	1,120	lbs.	30
Sodium chlorate	523,165	lbs.	18,706
Sodium fluoride	118,014	lbs.	7,583
Sodium hydrosulphite and compounds	11,690	lbs.	3,046
Sodium phosphate	488,711	lbs.	10,963
Sodium silicate	12,449	lbs.	212
Sodium silicofluoride	315,415	lbs.	10,759
Sodium sulphate, anhy.	141	ton.	3,926
Sodium sulphate, cryst.	82	ton.	936
Sodium sulphide, not over 35%	33,425	lbs.	547
Sodium sulphide, over 35%	551,365	lbs.	11,247
Sodium sulphite	79,795	lbs.	2,924
Sodium sulphhydrate	338,561	lbs.	17,102
Aluminum hydroxide	15,435	lbs.	1,725
Potas. alum. sulphate	632,850	lbs.	9,719
Alum. sulphate, over 15% alumina	113,564	lbs.	1,429
Antimony oxide	235,200	lbs.	27,578
Antimony sulphides, red and golden	72,700	lbs.	4,993

Chemicals and Allied Products Entered for Consumption for the month of July 14.

Hydrogen peroxide	62,266	lbs.	14,453
Ferric chloride	11,526	lbs.	337
Iron sulphide	18,211	lbs.	1,682
Phosphorus	26,897	lbs.	11,463
Strontium nitrate	11,023	lbs.	602
Urea	24,705	lbs.	2,741
Zinc chloride	69,852	lbs.	3,068

Fertilizer (Dutiable)

Sulphate of ammonia	28	ton.	1,436

Aero Brand

CYANAMID — AMERICAN — AERO BRAND — COMPANY — PRODUCTS

Yellow Prussiate of Soda

Yellow Prussiate of Potash

A new method of production ensures the highest purity, in small crystals as well as large.

Raw materials, all of our own manufacture, and large production capacity, guarantee a dependable source of supply, at favorable prices.

AMERICAN CYANAMID CO.
511 Fifth Ave. New York City

[Crudes & Intermediates]

BENZENE OPENLY QUOTED AT 24c GAL. FOR OCTOBER

Market Continues Easy—Toluene in Increased Demand—Solvent Naphtha and Xylenes Freely Offered—Pyridine and Naphthalene Dull—Cresylic Acid Shows No Advance in Prices—Intermediates Generally Unchanged—Para-Nitroaniline Strong—Gamma Acid Weak—Ortho-Toluidine in Heavy Demand—Para-Toluidine Future Uncertain

Advanced: No advances — Declined: No declines

	Trend of the Market					
	Today	Two Weeks Ago	Last Month	Last Year	War Peak	Pre-War
Benzene, pure tanks wks ..gal.	.25	.25	.25	.25	1.10	.25
Naphthalene flake .....lb.	.04½	.04½	.04½	.04½	.16	.03
Phenol Spot .....lb.	.18	.18	.18	.21	1.50	.08
Toluene tanks, wks., ...gal.	.35	.35	.35	.26	—	—
Aniline Oil le-l	.16	.16	.16	.16	1.40	.10½
Alpha-naphthylamine .....lb.	.35	.35	.35	.35	1.28	—
Benzaldehyde .....lb.	.70	.70	.70	.70	—	—
Betanaphthol bbls .....lb.	.24	.24	.24	.24	1.50	.08
Dimethylaniline e-l	.32	.32	.32	.32	1.30	
Paranitroaniline bbls .....lb.	.48	.45	.45	.57	1.58	.18
Average	3.08	3.08	0.305	0.311		

Current Spot Quotations and Comments on Specific Items, Pages 872-882

Light oil distillates continue in practically unchanged positions. October benzene is now named by all factors at the 24c gal. price announced in some directions two weeks ago. Supplies are free and the future appears easy. Toluene is moving in large volume in most directions. Quotations are unchanged but it is stated that the 35c gal. price quoted in tanks is not decidedly attractive to buyers and some shading has been indulged in at times of heavy supplies. Solvent naphtha is easy, although open quotations are unchanged. Xylene is in free supply with quotations at recent reduction.

Despite the firmer conditions abroad, brought on by the continuance of the coal strike, cresylic acid is available on spot at unchanged prices of 60c gal., and shading is intimated on any appreciable quantity. The spot market has not yet responded to the changed conditions in England. Pyridine pursues a dull course. Spot supplies are of fair proportions and demand is at a standstill. Nominal quotations remain at $3.60 gal. for spot material, but shading is likely on quantity. Naphthalene is dull at recent low prices. Phenol is quoted firm and unchanged, but production is large and demand is of slight routine volume.

Intermediates present little that is new. Ortho-nitro-toluene is back to prices of 13c@14c lb, after the recalling by the Treasury Department of the alcohol denaturing formula employing it. Aniline oil and dimethylaniline are unchanged, but with the contract season approaching, the future is uncertain. It may be that makers will attempt to establish a differential on these products between spot and contract prices. Competition remains very sharp in gamma acid. H acid is firm but in very slight demand. The large stocks of para-toluidine that are being held by makers are reported to be causing some apprehension to holders, as it is reported likely that one maker will attempt to unload his material shortly. Demand for ortho-toluidine is increasing steadily due to the return of the mining flotation market. Makers of benzidine report a firm market although a report persists that a new maker is to enter the field at a price of 50c lb. This is causing apprehension on the part of present makers, but thus far the report has failed of confirmation. Makers of para-nitroaniline are very firm at the recent advance to 48c lb, and indicate that a further advance is likely to be announced shortly. Makers of this product have been reported to be reconsidering their costs, and find the margin of profit too narrow at present quotations.

ITALIAN ANILINE OIL

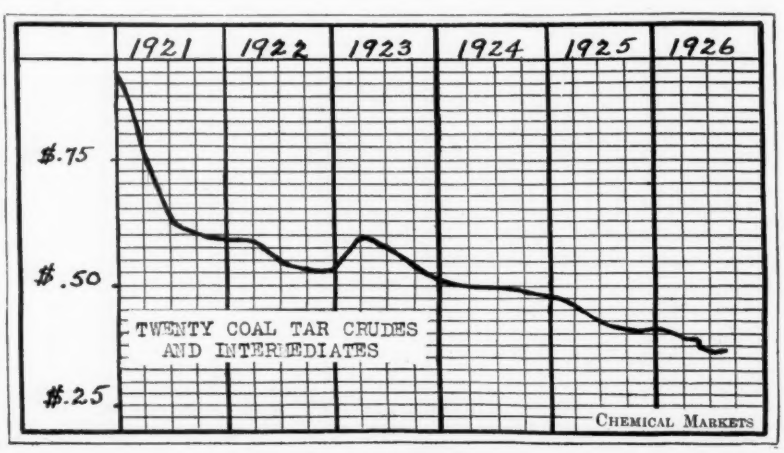
Aniline reached a new high figure in Italy in 1924 when 1,980,000 pounds were produced. The production figures of the past seven years are compared below:

1918	792,000 lbs.
1919	539,000 lbs.
1920	1,610,400 lbs.
1921	404,800 lbs.
1922	886,600 lbs.
1923	1,056,000 lbs.
1924	1,980,000 lbs.

Italian exports of aniline are negligible. Large, though decreasing quantities are imported from Switzerland and Germany; 1924 imports were 5,940,000 pounds, compared to 8,534,000 in 1923.

In the dye and chemical market of Boston all indications point to further expansion. Spot sales continue to gain. Buyers of raw materials for aniline dye products are more active. Notices have been received from producers of sulfur of an advance in certain grades to 10 cents per hundred, Oct. 1. Shellac is firmer and further advances seem certain. Reports have come to local interests from India this week that the crop has been destroyed. Heavy production of patent leather causes a steady demand for tanning materials.

Richard J. Flood, Jr., has been appointed commercial agent in the New York district office of the Bureau of Foreign and Domestic Commerce.



AUGUST DYE IMPORTS

(Continued from page 861)

Schultz No.	Dye and Maker	Pounds
923	Fur gray G—IG	
620	Capri blue GON conc.—IG	50
	Chromazurine G pdr.—DH	441
640	Modern azurine 5G—DH	11
660	Methylene green G extra—S	4,528
660	Methylene green W—G	
661	Thionine blue GO—IG	500
748	Hydron blue B pdr (s.s.)—IG	667
778	Alizarin red VI extra pure—IG	4,410
780	Alizarin red S pdr.—IG	684
780	Alizarin red W pdr.—BY	
785	Alizarin red XGP paste—BY	1,602
	Alizarin light blue SE conc.—S	1,284
	Alizarin sapphire blue SE—I	
858	Alizarin light blue B—S	5,572
858	Alizarin sapphire blue B—I	
865	Alizarin cyanine green 3G—IG	
804	Alizarin blue S pdr.—IG	2,000
852	Alizarin irisol R pdr—IG	
852	Alizarin blue JR—BY	1,461
860	Alizarin direct blue BGAOO—IG	1,000
865	Alizarin cyanine green G—BY	894
865	Alizarin cyanine green 3G—IG	
863	Anthraquinone blue green BXO—IG	150
854	Alizarin viridine FF—DH	1,102
855	Alizarin sky blue B pdr—BY	1,652
	Alizarin rubine GW pdr—BY	991
	Alizarin rubine R pdr—BY	
850	Vat blue WB pdr—B	342
759	Anthra yellow GC pdr (s.s.)—B	808
760	Vat golden orange G dbl paste (s.s.)—IG	9,902
760	Vat golden G dbl paste fine (s.s.)—IG	
761	Vat orange RRT paste fine (s.s.)—IG	4,857
763	Vat dark blue BOA paste fine (s.s.)—IG	2,505
767	Vat brilliant violet RR paste fine—B	3,385
	Vat brilliant voilet RR pdr. (s.s.)—B	
838	Vat blue RSP triple pdr (s.s.)—IG	1,500
840	Vat blue 3 G pdr (s.s.)—IG	2,500
840	Vat blue 3G paste (s.s)—IG	
842	Cibanone blue GCD dbl paste (s.s.)—I	11,998
842	Indanthrene blue GCD dbl pst (ss)—B	
	Vat blue GCD dbl. paste fine (ss)—M	
849	Sandothrene yellow NG—S	17,544
849	Vat yellow dbl paste (ss)—IG	
849	Vat yellow G dbl paste fine (ss)—IG	
849	Vat yellow G pdr. (s)—B	
849	Vat yellow G pdr (ss)—IG	
819	Algol red R extra paste—BY	2,797
819	Algol red R ex ra pdr (ss)—IG	
827	Anthra Bordeaux R paste—IG	486
834	Vat gray GK paste—BY	2,264
834	Vat gray GK pdr (ss)—IG	
873	Vat brown GR paste—IG	500
833	Vat olive R pdr (ss)—IG	3,200
	Vat brown IR pdr (ss)—M	2,108
	Vat brown R paste (ss)—BY	
	Vat brown B paste—Gr-E	4,628
	Vat brown G paste—BY	
	Vat brown G paste—IG	
	Vat brown G pdr (ss)—IG	
825	Algol red B pas e—BY	400
871	Indanthrene reddish violet RRK (ss)—B	8
832	Vat violet BN paste fine—B	2,300
795	Cabinone yellow R paste—I	32,182
795	Cabinone yellow R pdr (ss)—I	
793	Cabinone blue 3 G paste—I	2,204
884	Brilliant indigo BB paste—IG	2,506
912	Anthra red B paste—IG	1,034
918	Ciba red 3 B pdr (ss)—I	9,910
918	Thioindigo red 3 B pdr (ss)—K	
918	Vat red violet RH paste—I	
918	Vat red violet RH pdr (ss)—IG	
913	Helindone orange R pdr (ss)—IG	2,560
913	Vat orange R pdr (ss)—M	
907	Thioindigo Scarlet 2G paste—IG	1,500
908	Ciba red R paste—I	9,038

UNIDENTIFIED DYES

Acid Dyes

Acid milling yellow G conc.—S	500
Acid red RS conc—Q	222
Aliarin brilliant sky blue R—IG	25
Alizarin supra blue A—IG	1,400
Alkali fast green 2 BF—BY	100
Astra violet FF extra—IG	100
Brilliant acid blue FF—BY	220
Brilliant Bordeaux S—IG	2
Brilliant milling blue B—C	1,543
Brilliant scarlet N—IG	500
Brilliant wool blue FFB extra—IG	100
Brilliant wool blue FFR extra—IG	500
Cloth fast red 3B—I	110
Cloth fast yellow G—I	495
Fast acid green BB extra—I	500
Fast light red B—BY	200
Guinea blue A4B—IG	2
Guinea blue V4B—IG	2
Guinea brown 2GX—IG	2
Guinea carmine B—IG	2
Indo violet BF—IG	2
Indocyanine B—A	1,544
Ink blue BITBN pdr—IG	1,000
Kiton fast red 4BL—I	1,764
Kiton fast red GL—I	110
Milling yellow H3G—IG	20
Milling yellow O—IG	1,500
Milling yellow R—IG	2
Neolan blue B—I	661
Neolan blue G—I	551
Neolan blue GG—I	1,102
Novazol blue B—G	551
Onis 3B, 5B—IG	1,100
Pilatus fast blue B—IG	100
Pilatus fast blue GG—IG	200
Pilatus fast gray B—IG	100
Pilatus fast green BL conc—IG	25
Pilatus fast pink B—IG	200
Pilatus fast pink G—IG	50
Piltaus fast violet R—IG	100
Piltaus fast yellow G—IG	200
Polar yellow 2G conc—G	882
Radio yellow R—IG	500
Sulphon orange G—BY	572
Supramine red B—IG	1,000
Wool blue R extra—IG	200
Wool fast yellow R pdr—BY	441

Vat Dyes

Alizarin indigo 5R paste—IG	500
Anthra scarlet B paste—IG	1,700
Anthra scarlet B pdr (ss)—IG	
Ciba blue 2 RH—I	110
Ciba pink B.G. pdr. (ss)—I	1,100
Cibanone orange 6R pdr.—I	110
Fridan briliant scarlet R paste—IG	500
Helindone printing black RD paste—IG	10,000
Hydron blue BBF paste—IG	100
Hydron brown G pdr (ss)—C	793
Hydron brown R paste—C	
Hydron orange GL paste—IG	286
Hydron scarlet 2B pdr (ss)—C	354
Hydron scarlet 3B paste—C	1,445
Hydron violet RF paste—IG	100
Hydron yellow GG pdr (ss)—IG	600
Indanthrene brown RT paste—BY	397
Indigosol 04B—DH	310
Indigosol 042—BY	
Indigosol black TB—IG	100
Indigosol orange HR—DH	55
Indigosol pink HR—DH	55
Indigosol violet A2B—I	200
Vat black B paste for printing—K	673
Vat blue 8 GK pdr—IG	50
Vat brilliant blue R pdr (ss)—IG	800
Vat brown CG pdr (ss)—IG	1,713
Vat brown GG paste—B	
Vat golden yellow GK dbl paste (ss)—IG	1,000
Vat green GG dbl paste (ss)—B	1,872
Vat green GG dbl paste (ss)—IG	
Vat gray 3B dbl paste (ss)—IG	956
Vat orange 3R paste fine—B	1,764
Vat orange 6RTK paste—IG	450
Vat orange 6RTK pdr (ss)—IG	
Vat printing brown R paste—IG	2,152
Vat printing red B paste—IG	500
Vat red BK paste fine —IG	100

Mordant and Chrome Dyes

Acid alizarin gray G—IG	1,429
Acid alizarin gray G—M	
Acid anthracene red 3BL—BY	200
Acid chrome red B—IG	25
Alizarine blue green BBS conc.—S	1,000
Alizarine light gray BS conc—S	2,996
Brilliant chrome blue S—DH	110
Brilliant chrome violet 3 RA—DH	441
Chrome fast green G—IG	2
Chromorhodine 6GN extra—DH	110
Chromoxane brilliant violet SB—BY	1,000
Eriochromal brown G pdr—G	110
Eriochrome geranol R—G	992
Eriochrome red G—G	551
Metachrome blue black 2BX—A	826
Metachrome olive B—IG	2
Metachrome brown 6G—IG	2
Metachrome brown BL—IG	2
Metachrome orange R—IG	100
Metachrome red G—IG	200
Modern blue CVI—DH	220
Naphthochrome violet R—I	551
New gallophenine 5G—IG	50
Omega chrome brown E B—S	200
Oxychrome brilliant blue PB—A	300
Radiochrome blue B—IG	1,000

Direct Dyes

Benzo chrome black B—IG	25
Benzo chrome brown 5G—IG	100
Benzo fast brown 3 GL—IG	1,000
Benzo fast brown RL—IG	450
Benzo fast gray BL—IG	1,000
Benzo fast heliotrope 5 RH—BY	55
Benzo fast light scarlet 4 BL—IG	200
Benzo fast orange 2RL—BY	500
Benzo fast yellow RL—IG	500
Benzo red 12B pdr—BY	132
Benzo rhoduline red B, 3B—IG	400
Brilliant benzo fast yellow GL—IG	300
Brilliant congo blue 5R—A	200
Brilliant congo violet R—IG	300
Brilliant sky blue 8G extra—BY	973
Brilliant sky blue R—BY	200
Chlorantine fast blue 2 GL—I	2,205
Chlorantine fast blue 8 GL—I	2,204
Chlorantine fast brown 3 RL—I	2,205
Chlorantine fast gray B—I	1,543
Chlorantine fast orange 2 RL—I	220
Chlorantine fast violet 5 BL—I	2,204
Chlorantine fast violet RL—I	2,204
Chlorantine fast violet 2 RL—I	1,102
Chlorantine fast yellow 4 GL—I	441
Cotonerol A extra—IG	500
Cotton black AC—IG	100
Developing black ED—IG	125
Diamine azo brown 3 G—C	506
Diamine azo fast violet R—C	265
Diamine azo green G—C	440
Diamine catechine G—IG	100
Diamine fast orange EG—IG	500
Diamine fast orange ER—IG	1,000
Diamine gray G—IG	100
Diamineral blue BF—IG	500
Diaminogene blue GG—C	551
Diamil fast violet BL—IG	300
Diao Bordeaux 7 B—BY	661
Diazo brilliant green 3 G—BY	2,200
Diazo brilliant green 3 G—IG	
Diazo brilliant scarlet 2 BL—BY	441
Diazo brown 3 R—IG	50
Diazo fast Bordeaux BL—IG	992
Diazo fast green GF—IG	600
Diazo fast violet BL—BY	500
Diazo green 3 G—IG	100
Diazo indigo blue 2 RL—IG	1,000
Diazo pure blue B pdr—BY	1,323
Diazo rubine B—BY	400
Diazol light red N8B—StD	2,204
Direct cutch brown GR—I	1,653
Fast cotton gray VI—IG	500
Half wool blue 3 R—IG	500
Minaxo likht pink BBX—IG	200
Parasulfon brown G—S	500
Rosanthrene R—I	661
Rosanthrene orange R—I	551

Dyes for Artificial Silk

Artificial silk black R—IG	500
Artisil carmine B conc.—S	100
Artisil purple conc.—S	100
Duranol blue G paste—BD	112
Icnamine red KA—BD	60
Setacyl direct blue G pdr.—G	220

Rapid Fast Dyes

Rapid fast pink LB—paste—I	200

Basic Dyes

Basic pink G pdr—Q	110
Brilliant rhodamine blue R—Q	286
Methyl violet 4 B—IG	200
Rhodamine 6 GDN extra (ss)—IG	5,000

Sulphur Dyes

Immedial brown W conc.—I	1,000
Indocarbon CL—IG	200
Pyrogene cutch 2 R extra—I	1,102
Thionol yellow GR—BD	465

Color Lake Dyes

Hansa yellow G pdr—IG	900
Helio Bordeaux BL paste—IG	1,386
Helio red RMT extra pdr—BY	300

Unclassified Dyes

Cibacete yellow R pdr.—I	66
Whitex washing blue—Q	20,400
All other dyes—Q	1

Color Lakes of Coal-Tar Origin

Printing red	167

Intermediates

Fast blue salt B	2,000
Fast red salt GL	10,080
Fast scarlet salt R	2,500
Gamma acid	2,525
Methelamine and methylene blue	28
Methyl-p-amidophenol	400
Methylene blue	9 oz
a-Naphthol	2,030
b-Naphtholmonosulphonic acid F	1,500
Naphthol AS-D	2,000
Naphthol AS-SW	750
b-Naphthol aluminum disulfate	11

[Oils and Fats]

DENATURED OLIVE OIL HIGHER ON SPOT

Sellers Have Again Advanced Spot Price—Replacements Scarce and Firm —Foots for Shipment Higher—Chinawood Oil Steady All Positions —Cottonseed Oil Lower on Spot and at Mills—Coconut Easier—Japanese Rapeseed Lower

Advanced	Declined
Chinawood Oil, spot, ½c lb.	Coconut Oil, Ceylon, NY ½c lb.
Olive Oil, denatured, 10c lb.	Coconut Oil, Cochin, NY ½c lb.
Olive Foots, ship. ⅝c lb.	Coconut Oil, Manila, N.Y. ⅝c lb
	Cottonseed Oil, crude, 2c lb.
	Cottonseed Oil, PSY, 2½c lb.
	Peanut Oil, refined 2c lb.
	Rapeseed Oil, Jap. 2c gal
	Sesame Oil, yellow, 1½c lb.

	Trend of the Market					
	Today	Two Weeks Ago	Last Month	Last Year	War Peak	Pre-War
Cod Oil NY .....gal.	.62	.62	.62	.62	1.20	.26½
Degras American, bbl. .....lb.	.04¼	.04¼	.04¼	.04¼	.23	.03½
Lard No. 1 .....gal.	.85⅝	.85¾	.85⅝	.89	2.90	.92
Menhaden, crude tanks ....gal.	.47½	.47½	.47½	.53¼	1.20	.33
Neatsfoot 20° ct .....gal.	1.31¼	1.31¼	1.31¼	1.24	8.45	.95
Red Oil distilled .....lb.	.10	.10	.10	.12¼	.17	.07
Stearic Acid, T. P. .....lb.	.15¼	.15¼	.15¼	.17	.38	.12
Coconut Ceylon tanks .....lb.	.09⅛	.09¼	.09¼	.10¼	.30	.14
Cottonseed crude tanks ....lb.	.08¼	.11½	.11½	.09¼	.25	.08
Linseed Crude c-l bbls .....gal.	.84	.84	.88½	1.05	1.85	.57
Olive, denatured .....gal.	1.40	1.30	1.30	1.18	4.50	1.05
Peanut refined .....lb.	.14	.16½	.16½	.15	.30	.08
Soya Bean bbls .....lb.	.12½	.12½	.13½	.13	.19¼	.07
Average	4.69	4.70	4.71	4.93	5.92	1.56

Current Spot Quotations and Comments on Specific Items, Page 884

Outstanding in an otherwise quiet and easy market last week was a further advance in spot denatured olive oil. Sellers here have again advanced the price for deliveries from stock and with replacements coming forward at high prices it is believed that the market will be maintained for the present at least. Spot chinawood oil also seems to be holding up well and in one direction the spot price was advanced slightly. With the Chinese market at a price which is almost on a par with the spot market, a decline at this time seems unlikely. The consuming trades are not purchasing in any great volume and it is possible that this will have some bearing on the New York market. Shipments from the coast over the next four months are held at proportionately lower levels than spot oil.

Lower prices on cottonseed oil headed the list of several other reductions last week. This decline in cottonseed is a quite natural reaction to the prices which have prevailed on this market since early Spring. At the present level some little business has been done, but in most cases prospective buyers have been attempting to bid the market off. Coconut oil is also fractionally lower for all grades on a routine inquiry which has resulted in but a few minor transactions being put through. Crude corn oil has not been affected to any extent by this latest decline in cottonseed and sellers are holding steady at unchanged prices.

All grades of rapeseed oil which have been unsteady on spot during the whole month of September continue in this position with a further reduction noted in Japanese. Refined peanut oil is offered off a bit with the crude at the mills quoted nominally. Edible yellow sesame oil is lower on spot in barrels. Red oil and stearic acid are holding up well with a steady demand reported for both. Greases and lard, while remaining unchanged from the week previous are quiet and none too steady. Fish oils are experiencing some inquiry and sellers are not disposed to shade prices for business.

MANILA COPRA MARKET

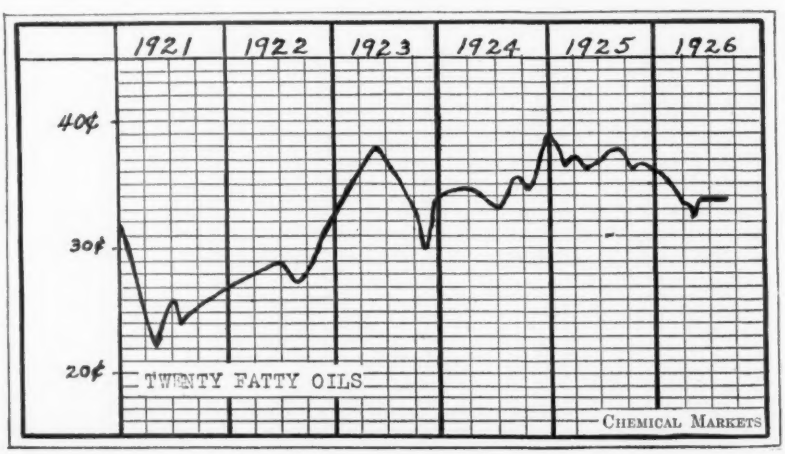
Manila copra market is quiet, cables Trade Commissioner Butler. Although prices decreased in early August, he reported that rumors of advancing oil prices in the United States started an upward tendence at the latter part of the month which continued into the early part of September. The present price tendency, however, he said was downward. Present copra production, Mr. Butler reported, is about 33 per cent above the average for the past three years.

Cottonseed pitch residue from the distillation of fatty acid (black cotton grease) derived from cottonseed oil, is properly classifiable as an article manufactured in whole or part, at the rate of 20 per cent ad valorem, under Paragraph 1459, Tariff Act of 1922, as assessed by the collector, says the U. S. Customs Court denying relief to William H. Masson, Baltimore.

Adolphe Hurst & Co., New York, who have been sole agents in United States and Canada for A. Beringer, color maker of Germany, is now selling agent in the same territory for Heyl-Beringer Farbenfabriken A. G., which is the new concern formed by the merger of A. Beringer with Gebrueder Heyl, of Germany.

Trade-mark claims of Central Laboratories, Wheeling, W. Va., involving the words "Auto EZE" have been denied by the Patent Office, owing to prior registration by Standard Plate Glass Co., Pittsburgh.

A. J. Will, president Will & Baumer Candle Co., Syracuse, died of heart disease on Bellevue Country Club Golf Links, Syracuse, Sept. 18.



ADOPT GROUP INSURANCE

Warner Chemical Co., New York, has adopted a group insurance program underwritten by Metropolitan Life Insurance Co. Included in the program is life insurance, totaling approximately $175,000, and health and non-occupational accident coverage, carrying liberal weekly benefits in case of sickness from any cause, or injury received while away from work. Premiums will be paid jointly by employer and employees. Each employee in the main classification covered by the provisions of the plan receives $1,000 life insurance. His benefits under the health and accident policy will amount to $15 a week for a maximum of thirteen consecutive weeks.

Westvaco Chlorine Products Co. has also adopted a group insurance program, covering about 150 employees for a total of approximately $160,000 life insurance as well as health and non-occupational accident protection, providing liberal weekly benefits underwritten by Metropolitan Life Insurance Co. This provides for the payment of premiums jointly by the employer and employees, whose share of the cost is in this way substantially reduced.

British Columbia may soon produce phosphates in large quantities for the enrichment of prairie soils, states William Sloan, Minister of Mines, who announces the discovery of large deposits of valuable fertilizing mineral in East Kootenay district. It is believed that the Consolidated Mining and Smelting Co., the largest concern of its kind in Western Canada, will become interested in the deposits.

A wood pulp industry may be established in Tasmania. A bill will be presented to the Tasmanian Parliament shortly, giving certain timber cutting and water rights to one of the promoters of the undertaking.

The National Fertilizer Association, will hold its annual Southern meeting Nov. 8, 9, and 10, 1926, at Atlanta, Ga.

Oslo, Norway, reports that the Norwegian whaling fleet's catch in 1924-25 amounted to 597,690 barrels of whale oil.

American Turpentine & Tar Co., Ltd., New Orleans, starts operations this month at its plant at Slidell, La.

COCOA FERTILIZER

The possibilities in the use of cocoa by-products as material for fertilizer are outlined by the Department of Agriculture, which says in part: Ground cocoa cake has been reported by manufacturers to be satisfactory as a "rough ammoniate" filler and conditioner in mixed fertilizers. For use as fertilizer material, average press cake might be expected to bring 80 per cent as much per ton as the solvent-extracted cocoa. The bulletin is No. 1413-D.

The Government-owned mercury mine at Almaden, Spain, for the fiscal year to June 30, 1925, shows extraction of 19,491 metric tons of mineral yielding 35,530 flasks of mercury, an increase of 6,506 flasks over the average production of 1919-24.

K. W. Erickson, for ten years with New Jersey Zinc Sales Co., Chicago, has become associated with American Solvents & Chemical Corp. Mr. Erickson will have his headquarters at 122 So. Michigan ave., Chicago.

The opposition of Patek Bros., Inc., Milwaukee, to the registration of a trade-mark containing the word "Wearproof" applied for by Standard Plate Glass Co., Pittsburgh, has been sustained by the assistant commissioner of patents.

Ditzler Color Co. 40 Baltimore ave., Detroit, Mich., will build a plant at the junction of Chicago Boulevard and Detroit Terminal Railway, one- and two-story, to cost $40,000, with equipment.

William D. Rockwood, Boston, has been elected president of Paint and Oil Club of New England; Blon C. Pierce of Taunton, vice-president; Fred L. Moses, Boston, secretary-treasurer.

Procter & Gamble Co.'s plants on Staten Island, at Cincinnati and Kansas City, have chosen three workers as employee representatives on the company board of directors.

Westchester Hills Golf Club, White Plains, Friday, Oct. 8, are the place and time selected by Oil Traders Association for its fourth annual golf tourney.

American Tung Oil Corp.'s plantation, near Gainesville, Fla., was not damaged by the recent hurricane, according to B. F. Williamson, manager.

PILCHARD OIL

Pilchard, formerly considered too oily as a food fish, is now being exploited commercially in British Columbia. About $2,000,000 has been invested in equipment for the new industry, and the plants in operation are capable of handling 200 tons of pilchards per hour, producing nearly 60 gallons per ton. The oil is being shipped as far as Europe in special tank ships and overland in tank cars, and the meal is used as chicken food by Canadian farmers or as fertilizer in Japan.

Lead output in United States in August totaled 49,625 short tons, compared with 47,796 short tons, in July. Production in North America last month was 80,023 tons, against 79,068 in July, while the world output reached 124,054 tons, against 123,140 in July. For the eight months to Aug. 31 the output was: United States 392,309 short tons; North America, 631,539 ,and the world, 959,157. In 1925 the world production reached 1,272,056 short tons.

At an extraordinary general meeting of the French company "La Barytine," the proposal to increase the capital to 5,350,000 francs was consented to. The extra capital (3,500,000 francs) is to be devoted to the purchase from the Societe des Mines d'Or du Chatelet of a barium sulfate plant at Cere (Lot) and a number of patents on the bleaching of barytes.

Ochre has been discovered in Webster County, Ky., according to "Louisville Courier-Journal." The deposit is said to cover 300 acres and is 15 feet thick. The state geologist claims that only about two per cent of the Kentucky deposits are being mined, although the material is found in various scattered places.

California Sea Products Co., San Francisco, which operates a whaling station at Trinidad, Cal., is preparing to extend its operations both northward and southward with the completion of work on the Lansing, a whaling tug, and the monitor Monterey. The latter is being used as a floating factory.

Chemists Control Committee of National Fertilizer Association will be in session at the annual meeting of Association of Official Agricultural Chemists to be held in Washington, D. C., Oct. 18-21. Headquarters will be at New Willard Hotel.

Industrial Raw Materials

MARKET PASSING THROUGH PERIOD OF ROUTINE BUYING

Carnauba and Japan Waxes Only Items to Show Advances—Both are Firm and in Limited Supply—Rosins and Turpentine Lower But Steady on Fair Demand—Varnish Gums Quiet—Dry Colors Moving Steadily—Dye and Tan Woods Routine

Advanced	Declined	
Carnauba, Wax, No. 1 Yel. 2c lb.	Rosin, B, 25c-280 lb.	Rosin, N, 65c-280 lb.
Japan Wax, spot, ¼c lb.	Rosin, D, $1.25-280 lb.	Rosin, WG, 90c-280 lbs.
	Rosin, E, 75c-280 lb.	Rosin, WW, 50c-280 lb.
	Rosin, F, G, H, I, K, 50c-280 lbs.	Turpentine, spot, ½c gal.
	Rosin, M, 55c-280 lb.	

Current Spot Quotations and Comments on Specific Items, Pages 886-888

A general quietness prevailed over practically all the items embraced by this group last week. In all directions factors were unanimous in stating that business was of a decidedly day to day tone, with buyers holding down their purchases to an absolute minimum and only taking on stocks for their immediate consumption.

In spite of the above conditions, prices on the whole were well maintained and little was heard of shading for what business there was available. In the cases of carnauba wax and Japan wax the spot prices actually advanced again. These were the only advances reported. Similar conditions are governing the movement of both waxes, that is, limited stocks here, a good consuming inquiry and a sparsity of replacement parcels, although the position of Japan wax is the less acute of the two. The market on rosin and turpentine here and at the primary sources has been fluctuating around the present levels for the past few weeks without showing a decided trend in either direction. However, the statistical position of rosin is good and that of turpentine fairly strong, with a sustained buying interest the impetus needed for a strengthening in the market.

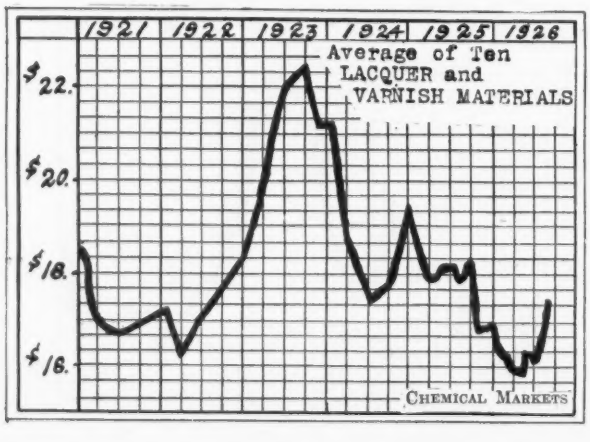
(Special to CHEMICAL MARKETS)

Savannah, Ga., Sept. 27—At Saturday's closing the turpentine market was firm at 86¼c gal. There were probably 300 bbls. disposed of at this figure which represents an advance of 1¼c gal. over the previous week's close. The trade here looks for a better demand during this week. Foreign loadings here and at Jacksonville are heavy at the moment and further tonnage is expected to move via this route next week. Also the month of October is expected to show a better inquiry. At the moment there are fair-sized stocks in London and with the present shipments this should make the dealers there fairly independent for some time. Receipts here last week were 4,733 bbls.; sales reported, 3,073 bbls.; shipments, 2,071 bbls.; stocks today, 17,708 bbls.

On liberal sales of 2,001 barrels, the rosin market closed last week firm. Current quotations show declines for the week of about 50c on the middle grades and smaller declines on the others. The market last week was a little irregular but all the accumulation has been sold at the market figures. It looks as though the declines registered last week will be recovered and a firm market prevail for some time. Current quotations are: B, $13.00; D, $12.75; E, $13.00; F, G, H, I, K, $13.25; N, $13.75; WG, $14.25; WW, $15.00. Receipts last week were 15,309 bbls.; sales reported 6,905 bbls.; shipments 8,065 bbls. and stock, 81,117 bbls.

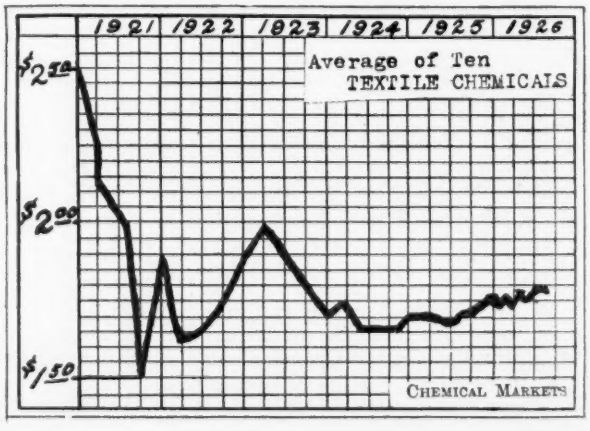
Lacquers and Varnishes

	Today	Two Weeks Ago	Last Month	Last Year	War Peak	Pre-War
Acetone c-l drs wks 10 lb	1.20	1.20	1.20	1.20	5.50	1.05
Butyl Al, dr wks	1.98	1.98	1.87½	2.50		
Chinwd Oil bbls NY 10 lb.	1.78	1.70	1.75	1.50	2.00	.68
Copal Congo, Amber 10 lb	1.00	1.00	1.00	1.00	1.90	1.80
Fusel Oil .....gal.	1.30	1.30	1.30	2.20	4.00	2.50
Benz 90% tks wks 10 gal	2.50	2.50	2.50	2.30	3.00	2.50
Linseed Oil c-l bbls gal.	.84	.84	.89	1.03	1.88	.58
Rosin F grade NY 280 lb.	1.53	1.54	1.54	1.28	1.70	.43
Soluble Cotton ....10 lb	4.00	4.00	4.00	4.00		
Turp c-l dock ....gal.	.91	.91½	.94	1.06½	.70	.49
Average	1.592	1.588	1.598	1.720		



Textile Chemicals

	Today	Two Weeks Ago	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	$3.24	$3.24	$3.24	$3.00	$17.00	$1.50
Acid Oxalic	.10¾	.10¾	.10¾	.10¾	.70	.70½
Bleaching Powder	2.00	2.00	2.00	1.90	9.50	1.50
Copper Sul c-l 100lbs.	4.75	4.75	4.75	4.45	20.00	4.60
Epsom Salt, USP	2.15	2.15	2.15	2.15	4.25	1.50
Glauber's Salt	1.05	1.00	1.00	1.25	20.00	4.60
Potash, Caustic, Imp	.07½	.07½	.07½	.07½	.87	.13
Soda Ash, 58% wks	1.38	1.38	1.38	1.38	1.10	.69
Soda Caustic, 76% wks	3.10	3.10	3.10	3.10	9.50	1.80
Sodium Bichromate	.06¼	.06¼	.06¼	.06½	.45	.04¼
Average	1.770	1.770	1.770	1.747	4.8008	1.25



[Agricultural Chemicals]

ENTIRE MARKET EXPERIENCES QUIET WEEK

Nitrate of Soda Schedule Higher at $2.40 100 Lbs. This Week—Sales Routine and Market Easy—Sulfate of Ammonia Quieted Down After Good Contract Season—Tankage Firm and Quiet—Blood Lower But Steady—Bone Meal Moving Fairly Well

Advanced	Declined
No advances	No declines

Current Spot Quotations and Comments on Specific Items, Pages 872-888

Last week witnessed a dull spell in the fertilizer market in this section of the country. Few if any, changes in price or position occurred from the previous week and factors here do not look for an immediate return to a period of normal buying.

Of principal interest in nitrate of soda is the advance on Friday of this week to $2.40 100 lbs. as per the schedule price. From time to time buyers show some slight interest, but the trade in general have not committed themselves. On the other hand importers realizing the situation are not ordering forward any great quantities of unsold nitrate, and should any sustained buying set in, the market would probably strengthen considerably, if not actually advance. To date the tonnage sold has been below sales over the same period last year.

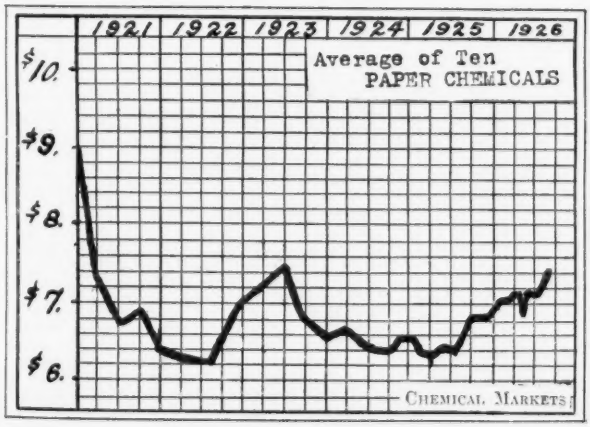
Sulfate of ammonia has quieted down somewhat after a fairly successful season and with most of the large buyers taken care of, the market has settled to a routine position. Prices are being held up to the market quotations and export business is also quiet. Tankage continues its firm position in the face of a lack of buying demand and the market lacks snap. Parcels were offered last week and turned down as the purchasers did not care to take on stocks in excess of their requirements. Blood is a bit easier in all markets than has been the case of late. No declines are noted but the lack of consuming interest has caused a desire to dispose of some stock by the sellers. Fish scrap is unchanged at Baltimore and reports are to the effect that business is being done in a routine way. Some early sales of cottonseed meal have been made to date but as yet the buying interest has been sketchy. Imported bone meal has been moving at a better gait than the other fertilizer items and sellers have no trouble in maintaining their prices.

E. I. Du Pont De Nemours & Co. have developed three seed stains required to carry out the provisions of the amendment to Federal Seed Importation Act which was passed at the last session of Congress requiring that all red clover and alfalfa seed imported into the United States be stained with a distinctive color. The stains developed are known as Du Pont Green Seed Stain, Du Pont Red Seed Stain, and Du Pont Violet Seed Stain.

Production in one unit of Kreiss Potassium Phosphate Co.'s new plant at Tampa, Fla., is under way with a capacity of 100 tons daily.

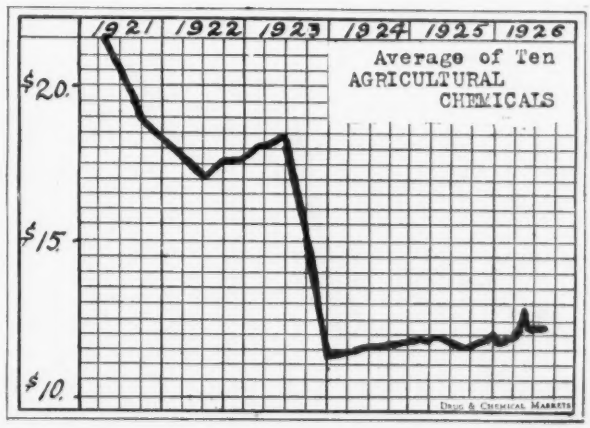
Paper Chemicals

	Today	Two Weeks Ago	Last Month	Last Year	War Peak	Pre-War
Aluminum Sulfate	1.90	1.90	1.90	2.00	5.00	1.50
Bleaching Powder	2.00	2.00	2.00	1.90	9.50	1.50
Casein	.16	.16	.17	.12¾	.28	.20
China Clay, Dom	10.00	10.00	10.00	10.00	25.00	8.00
Chlorine c-l Cyl	.05½	.05½	.05½	05½	.50	.08
Salt Cake	19.00	19.00	19.00	19.00	80.00	11.00
Sodium Silicate, 40° ..	.80	.80	.80	.80	1.75	2.00
Soda Ash, 58% wks ..	1.38	1.38	1.38	1.38	4.10	.69
Sulfur	22.50	22.50	22.50	18.00	65.00	20.00
Rosin F grade	15.25	15.35	11.60	4.50		20.25
Average	7.305	7.355	7.315	6.487	13.50	5.50



Agricultural Chemicals

	Today	Two Weeks Ago	Last Month	Last Year	War Peak	Pre-War
Acid Sulfuric, 66° ..ton	$15.00	$15.00	$15.00	$14.00	$55.00	$20.00
Am. Sulfate ..100lbs.	2.50	2.40	2.40	2.75	1.75	2.65
Arsenic .....100lbs.	3.50	3.50	3.50	3.50	18.00	4.00
Copper Sul c-l 100lbs.	4.75	4.75	4.75	4.45	20.00	4.60
Paris Green	.19	.19	.19	.19	.50	.11
Potash Muriate, 90% ton	34.90	34.90	34.90	34.55		
Potash Sulfate, 90% ton	45.85	45.85	45.85	45.85	440.00	48.07
Phosphate, Acid, 16% ton.	10.00	10.00	10.00	10.10	11.00	3.00
Phosphate Rock 68% ..	3.00	3.00	3.00	2.50	11.00	3.00
Sodium Nitrate .100lbs.	2.36	2.36	2.36	2.47	5.00	1.90
Average	12.205	12.203	12.203	12.113	103.50	13.84



Prices Current

Heavy Chemicals, Coal-tar Products, Dye-and-tanstuffs, Colors and Pigments, Fillers and Sizes, Fertilizer and Insecticide Materials, Naval Stores, Fatty Oils, etc.

Chemical prices quoted herein are those of American manufacturers for goods, spot New York, f. o. b., or ex-store, for immediate shipment, unless otherwise specified. Industrial chemical products sold principally on a basis of f. o. b. works are specified as such. Quotations on imported chemicals are so designated. Resale stocks sufficient to be a factor in the market, are quoted in addition to makers' prices and are indicated as "second hands."

Oils and fats are quoted spot New York, or ex-dock. Quotations on products sold f. o. b. mills, or spot Pacific Coast are so designated.

Industrial raw materials are quoted spot New York, f. o. b., or ex-dock. Materials sold f. o. b. works or delivered at various sections of the country are so designated.

The range of prices given is not "bid and asked," but indicates quotations from different sellers, based on varying grades or quantities or both. Containers named are the original packages most commonly used in the New York market.

Chemicals

Acetaldehyde
Acid Hydrocyanic

Acetaldehyde, drs. or cyl., c-l wks	lb.	...	.22
le-l wks	lb.	.24	.26
ACETANILID, tech., 150 lb bbls	lb.	.20	.21
100 lb. kegs	lb.	.22	.23
Acetic, Anhydride 85% 107 lb cbys	lb.	.27	.30
92 95% 100 lb cbys	lb.	.29	.35
Acetic Ether, see Ethyl Acetate			
Acetine, 50 gal drums	lb.	.37	.40
Acetone, CP, 700 lb drs c-l wks	lb.	...	.12
Tank cars, wks	lb.	...	.12
700 lb drs., le-l wks	lb.	.13	.13½
350 lb drs le-l wks	lb.	...	.14
Acetone Oils, light, drs., wks	gal.	1.65	1.75
Heavy, drs wks	gal.	1.65	1.75
Acetyl Chlorids, 100 lb cbys	lb.	.42	.45
Acetylenetetrabromide	lb.	...	1.50
Acetylenetetrachloride Drums wks	lb.	.10½	.11
ACID, 1, 2, 4, 250 lb bbls	lb.	...	1.25
Acetic, 28% 400 lb bbls c-l wks	100 lb.	...	3.24
28% le-l wks	100lb.	...	3.49
56% c-l wks	100 lb.	...	6.09
56% le-l wks	100 lb.	...	6.34
70% bbls c-l wks	100 lb.	...	7.51
70% le-l wks	100 lb.	...	7.76
80%, coml bbls c-l wks	100 lb	...	8.41
80% com'l. le-l wks	-00 lb.	...	8.66
80% pure bbls c-l wks	100 lb.	...	9.30
80% pure le-l wks	100 lb.	...	9.55
Glacial, bbls c-l wks	100 lb.	...	11.47
Glacial, le-l wks	lb 100 lb.	...	11.72
Glacial, USP, cby., wks	100 lb	....	12.23
Anthranilic, tech., drs.	lb.	...	.80
99-100% 100 lb. drs	lb.	.98	1.00
Benzoic, tech., 100 lb bbls	lb.	.58	.60
ton, lots bbls	lb.	...	.57
Boric crys., powd., 250 lb bbls	lb.	...	.09¾
Kegs 100 lb	lb.	.10	.10¾
Butyric, 60% pure 5 lb. bot	lb.	.55	.60
90%	lb.	.70	.75
Carbolic, crys, see Phenol			
Crude, 35% 50 gal bbls	gal.	.31	.33
10% 50 gal. bbls	gal.	.25	.28
Carbonic, see Carbon Dioxide			
Chloracetic, Mono 100 lb bbls wks	lb.	...	.25
Di, 150 lb cbys wks	lb.	...	1.00
Tri., 5 lb bot	lb.	...	2.50
Chlorosulfonic, 1500 lb. drs wks.	lb.	.15	.16
Chromic, 98% pure 400 lb drums	lb.	.37	.40
Chromotropic, 300 lb bbls	lb.	1.00	1.06
Citric, USP, cryst 230 lb bbls	lb.	.44½	.45
Powd., USP, 200 lb bbls	lb.	.45½	.46
Imported, crys, 112 lb kegs	lb.	.44½	.45
Single kegs	lb.	...	.47
Cleve's 250 lb bbls	lb.	.95	.97
Cresylic, 95% dark drs NY	gal.	.57	.60
97-99% pale NY	gal.	.60	.65
Formic, 85% tech., 140 cbys	lb.	.10	.10½
90%-90 lb cbys incl	lb.	.10½	.11
Gallic, Tech.,	bbls.	.50	.55
Gamma, 225 lb bbls wks.,	lb.	1.05	1.10
H 225 lb bbls wks	lb.	.57	.63
Hydrobromic, 48% com'l. 155 lb. cbys wks	lb.	.45	.48
48% com'l 10 cbys wks	lb.	...	.45
Hydrochloric, see also Acid Muriatic			
Hydrocyanic, wks cyl	lb.	.30	.90

Acetone—Market remains firm at unchanged prices with factors reporting steadily increasing domestic and export demands.

Acid Acetic — Sharply competitive conditions continue to be reported, especially in the Paterson territory. The marketing of acid by a new manufacturer who extracts the acid directly from the wood with ether is causing cutting of prices by more than ½c lb. Demand is of large volume.

Acid Cresylic — Spot and shipment markets are firm due to the firm conditions in primary markets. Spot pale acid is quoted at 60c gal. although it appears that shading might be possible in quantity.

Acid Formic—Demand is of good proportions and prices from leading importers are firm and unchanged.

Acid Gamma—Market remains sharply competitive although no price changes have occurred. Quotations are given at $1.06@$1.10 lb as to seller and quantity.

Acid H—Movement is of very small proportions, and factors quote firm unchanged prices for the slight business that exists.

Acid Monosulfonic—Makers report a steady movement at firm prices.

Acid Muriatic—Schedule prices are unchanged and contract withdrawals are of large volume.

Acid Nitric—All makers report firm unchanged prices.

Acid Oxalic—Domestic makers report an excellent demand at recent advance to 11c@11¼c lb, and imported material is moving at the same figures.

Acid Sulfuric — Conditions surrounding this product show no variation. Demand is good.

Alcohol Denatured — Conditions in this market are uncertain. At

Acid Hydrofluoric
Acid Sulfuric

ACID (cont'd) HYDROFLUORIC, 30-% 400 lb bbls wks	lb.	...	.06
30% 100 lb cbys wks	lb.	...	.08
48% single 100 lb cbys wks	lb.	...	.10
52% 100 lb cby., wks	lb.	...	.12
52% 10 lb cbys wks	lb.	...	.11
60% 100 lb cby., wks	lb.	...	.14
60% 300 lb. dr. wks	lb.	...	.13
White Acid, 100 lb cby., wks	lb.	...	.26
White Acid, 10 cbys wks	lb.	...	.28
Hydrofluosilicic, 35% 450 lb bbls wks	lb.	...	.11
J kegs wks	lb.	...	3.00
LACTIC, 22% dark 500 lb bbls	lb.	.05½	.06
22% light bbls	lb.	.06½	.07
44% dark, bbls	lb.	.11	.12
44% light, bbls	lb.	.13	.13½
66% dark, bbls	lb.	.13	.13¾
66% light, bbls	lb.	.36	.37
Laurent's, 250 lb bbls	lb.	.52	.54
Metanilic, 250 lb bbls	lb.	.60	.65
Mixed, Sulfuric-nitric Drums, wks	N Unit	.07¾	.08
Drums wks	S Unit	.01	.01½
Tank cars, wks	N Unit	.06	.06½
Tank cars wks	S Unit	.008	.01
Molybdic, 85% pure 100 lb kegs	lb.	1.25	1.30
Monosulfonic F, Delta 50 lb tins	lb.	...	1.65
MURIATIC, 20° cbys le-l wks	100 lb.	1.70	1.80
cbys c-l wks	100 lb.	...	1.45
Tank cars, wks	100 lb.	...	1.05
18° 120 lb cbys c-l wks	100 lb.	...	1.35
Tank cars, wks	net ton	...	.95
22° 120 lb cbys Naphthionic, tech., 250 lb bbls	lb.	.55	.59
Neville & Winther's 250 lb bbls	lb.	.95	.99
NITRIC, 36° 135 lb Cbys le-l wks	100 lb.	...	5.25
Cbys c-l wks	100 lb.	...	5.00
38° le-l wks	100 lb.	...	5.75
40° le-l wks	100 lb.	...	6.25
Cbys c-l wks	100 lb.	...	6.00
42° le-l cbys wks	100 lb.	...	6.75
Cbys c-l wks	100 lb	...	6.50
CP, cbys single wks	100 lb.	.12	.13
Oxalic, 300 lb bbls., wks	lb.	.11	.11¼
Bbls., NY	lb.	.11	.11¼
Kegs, 100 lb NY	lb.	.11¼	.11¾
Imp., 560 lb casks	lb.	...	.11
Phosphoric, 50% tech., 150 lb Cbys	lb.	.07	.07½
Syrupy USP, 70 lb drums	lb.	.16	.17
Demis	lb.	.17	.18
Imported	lb.	.16	.17
Phthalic, see Phthalic Anhydride			
Picramic, 300 lb bbls	lb.	...	.50
Picric, 450 lb bbls c-l	lb.	.30	.33
Pyrogallic, Tech., powd., 200 lb bbls.	lb.	...	.85
S kegs	lb.	...	2.50
Salicylic, tech., 125 lb bbls	lb.	.27	.32
Sulfanilic, 250 lb bbls	lb.	.15	.16
SULFURIC, 66° 180 lb cbys le-l wks	100 lb	1.60	1.95
Cbys, c-l wks	100 lb.	...	1.35
1,500 lb Drums le-l wks	100 lb.	...	1.20
Drums, c-l wks	100 lb.	...	1.00
Tanks cars, wks	net ton	...	15.00
60° 1500 lb drums le-l wks	100 lb.	...	1.10
Drums c-l wks	100 lb	...	.87½
Tank Cars, wks	net ton	...	10.50

SILVER CHLORIDE
C. P.
For Photographic, Platers and Medicinal use.

A definite economy is found in dependable CHEMICALS

SILVER NITRATE
C.P. (Crystals)
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CHLORIDE GOLD
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Made at our Newark plant by skilled workmen and under careful laboratory control.

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192 Worth Street, New York

Manufacturers Since 1857
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ETHERS
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Liquid Chlorine
Single Unit Tank Cars
Multi-Unit Tank Cars (1-ton Containers)
150-lb. Cylinders

Chloride of Lime
Sulphate of Alumina

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Sulphur Black
Anthraquinone
Beta Methyl Anthraquinone
Aluminum Chloride (Anhydrous)
Dyestuffs
Soda Hyposulphite

ALUMINUM CHLORIDE
(Sublimed Anhydrous)

Highest Purity
Prompt Delivery
Attractive Prices

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644-652 Greenwich St., New York

Chemicals

ACID SULFURIC (Continued)			
C.P. 175 lb cbys ....100 lb.	.07	:	.08
Oleum 20 pe 1500 lb drums le-l wks .....100 lb.	...		1.50
Drums, e-l wks 100 lb.	...	:	1.25
Tank cars, wks ..net ton	18.00		19.00
Oleum 40% drs le-l wks net ton	...	:	42.00
Oleum, 60% drs., le-l wks net ton	62.00	:	72.00
Tannic, tech., 300 lb bbls ..lb.	.30	:	.40
Tartaric, USP, cryst., 300 lb bbls .....lb.	...	:	.39½
USP, powd., 300 lb bbls .lb.	...	:	.39½
Imp., USP., 240 lb bbls ..lb.	.28½	:	.29
Powd., 240 lb bbls ....lb.	.28½	:	.29
Tobias, 250 lb bbls .....lb.	...	:	.85
Tungstic, 100 lb. kegs ....lb.	...	:	1.00
Adeps Lanae hydrous 350 lb bbls. lb.	.20	:	.21
Anhydrous, 350 lb bbls .....lb.	.22	:	.23
ALCOHOL, amyl See Fusel Oil			
Benzyl, 5 lb bot .....lb.	1.45	:	1.55
Butyl Normal 50gal drs wks c-l lb.	.19¾	:	.20¾
Drums, le-l wks .....lb.	.20¼	:	.21¼
Tanks cars wks .....lb.	.19¼	:	.20¼
Butyl Tertiary 50gal drums ..gal.	...	:	.50
Anhydrous .....gal.	...	:	.75
Ethyl, USP, 190pf 50gal. bbls .....gal.	4.75	:	4.80
Anhydrous, drums .....gal.	.50	:	.55
Denatured			
No. 1 complete denat. 190pf. 50gal. bbl incl ....gal.	.35	:	.40
Carlots .....gal.	...	:	...
50gal. drums extra gal.	.32	:	.42
Tank Cars .....gal.	.30	:	.40
No. 1 Special denat. 190pf. 50gal. bbl. incl ....gal.	.35	:	.44
Carlots .....gal.	...	:	...
50gal. drums extra gal.	.32	:	.42
Tank cars .....gal.	.30	:	.40
No. 5, Complete denat. 188pf. 50 gal bbl incl ....gal.	.31	:	.40
Carlots .....lb.	...	:	...
50gal. drums extra ..gal.	.32	:	.42
Tank cars .....gal.	.30	:	.40

In addition to the regular authorized formulas for completely denatured alcohol, some 75 formulas for specially denatured alcohol are authorized for special uses. Owing to the

Ref'd. 98-99% drs .....gal.	1.25	:	1.50
Propyl, nml., 50gal. drs ....lb.	...	:	1.00
Isoamyl, 100 lb bbls .....lb.	.23	:	.24

limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulas in products authorized by the Dept. of Internal Revenue.

Diacetone, 50gal. drs fght. Allowed .....gal.	1.70	:	1.90
Isobutyl, crude 50gal. drs ..gal.	...	:	...
Refined, 10 lb. cans .....lb.	...	:	...
Isopropyl, refined, 90-91%, 50 gal. drs . .....gal.	1.00	:	1.25
Aldehyde Ammonia, 100gal. drums lb.	.80	:	.82
Alpha-Naphthol, crude 300 lb bbls lb.	...	:	.65
Refined .....lb.	.85	:	.90
Alpha-Naphthylamine, 350 lb bbls lb.	.35	:	.37
Ton lots bbls wks .....lb.	...	:	.35
ALUM, Ammonia, lump 400 lb bbls wks, le-l .....lb.	3.15	:	3.50
Ground, 400 lb bbls wks 100 lb.	3.25	:	3.65
Powd. 380 lb bbls. wks 100 lb	3.55	:	3.90
Chrome, 500 lb ckx., wks lb.	3.25	:	5.50
Potash, lump 400 lb bbls wks .....100 lb.	3.50	:	3.75
Bbls. e-l wks ....100 lb.	3.35	:	3.40
Imported lump .....100 lb	...	:	3.35
Ground 400 lb bbls wks 100 lb.	3.50	:	3.85
Imp., 350 casks ....100 lb.	2.65	:	3.00
Powd., 380 lbs. bbls wks 100 lb.	3.50	:	4.00
Chrome, 500 lb csks wks 100 lb.	5.25	:	5.50
Grd, 400 lb bbls wks 100 lb.	...	:	3.75
Bbls., e-l wks., .100 lb.,	...	:	3.50
Soda, ...100 lb.	...	:	3.25
Aluminum metal, e-l NY ..100 lb	..	:	27.00
Chloride, anhyd, 275 lb drs lb.	.35	:	.40
Crystals, 375 lb. bbls ....lb.	...	:	.06½
30% sol., 120 lb cbys ..lb.	...	:	.08
Hydrate 96% light 90 lb bbls lb	.17	:	.18
Hvy. 62-64% 220 lb bgs lb.	.06	:	.06½
400 lb bbls wks.....lb.	.06½	:	.07

present quotations are unchanged and further advances are reported imminent. However, present figures are none too firm. Production is large and it is doubtful that the anti-freeze demand during the coming Winter will be of sufficient volume to consume the entire output at high prices.

Alpha-Naphthol—Quotations are unchanged; movement is routine.

Alpha-Naphthylamine — Demand is of fair routine volume. Prices are unchanged.

Ammonia Anhydrous — Makers are reported to be reconsidering their selling costs and are of the opinion that prices are quite likely to move upward in the near future. Demand is declining with the approach of the cool weather.

Ammonia Aqua—Demand is of excellent volume and practically all supplies are finding their way into consumption at firm unchanged prices.

Ammonium Chloride—Demand is of excellent volume and quotations from importers and domestic makers. Importers quote white at 5¼c lb and gray at 6c lb.

Ammonium Persulfate—Demand is excellent and quotations are firm and unchanged.

Ammonium Sulfate — With a large portion of the contract business placed the market has settled down to routine sales in this section. Prices are unchanged and well maintained at the quoted levels. The export market is quiet.

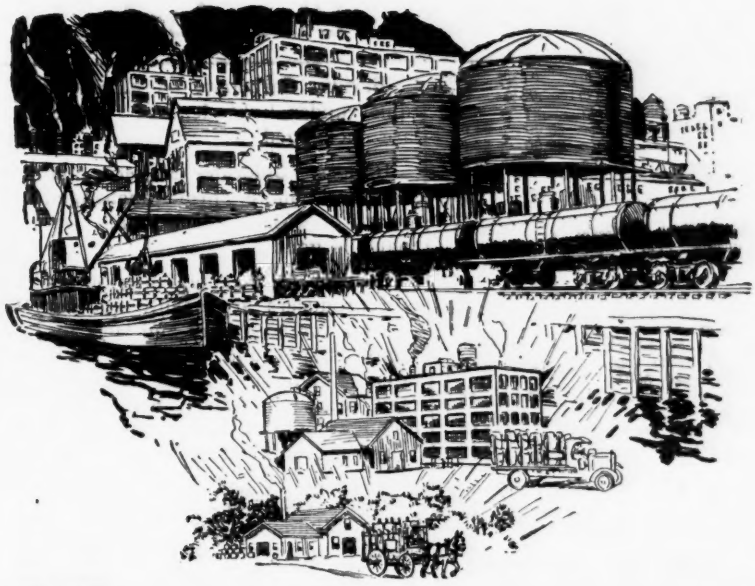
Amyl Acetate—Market is strong due to the firmer conditions among fusel oil producers, and some producers have advanced their quotations.

Aniline Oil—Market is steady at the moment at unchanged prices of 16c@17c lb as to quantity. However, difficulty might be experienced by makers during the coming contract season.

Antimony — Has shown no change in the past week and continues in a soft position here. There was not enough interest locally to establish a spot market. Shipment prices are about the same with an easier trend.

Arsenic—Imported material remains available on spot at firm prices of 3½c@4c lb. Demand is fair, however, and these stocks carried over from last year have been greatly reduced.

ALUMINUM SULFATE, Iron-free bags c-l wks .....100 lb.	...	:	1.75
Bbls, c-l wks .....100 lb.	...	:	1.90
Imported, spot ....100 lb.	1.60	:	1.65
Comm'l ½% iron bgs c-l wks .....East 100 lb.	...	:	1.40
Cont. bgs c-l wks E 100 lb.	1.35	:	1.40
Bags, c-l wks ....W 100 lb	...	:	1.40
Bbls c-l wks ..E 100 lb.	...	:	1.55
Bulk, c-l cont. wks E 100 lb.	...	:	1.50
Amidol (See Diaminophenol)			
Aminoazobenzene, 110 lb kegs ..lb.	...	:	1.15
AMMONIA, anhyd., 100 lb cyl lb.	.13	:	.15
Water 26° 800 lb drs. del lb.	...	:	.03½
Drs., c-l delivered ....lb.	.03	:	.03¼
Tanks .....lb.	.02¼	:	.02½
CP, cbys .....lb.	...	:	.12
Acetate, 100 lb kegs .....lb.	...	:	.13
Bifluoride, 300 lb bbls .....lb.	.21	:	.22
60 lb kegs .....lb.	.23	:	.23
Fromide, 450 lb bbls 50 lb bxs lb.	.	:	.55
Imported, 112 lb bags ...lb.	.50	:	.52
Carb., tech., 500 lb casks ..lb.	.08½	:	.09
Powd., tech, 550 lb cks lb.	.07¼	:	.07¾
USP, lump, 100 lb kegs ..lb.	.11	:	.11½
Powd., 100 lb kegs ....lb.	.13	:	.13½
Chloride, Domestic White, 250 lb bbls c-l ..lb.	..	:	.06
250 lb bbls le-l wks ..lb.	.06½	:	.06¾
Imp. white 600 lb cks lb.	.05½	:	.05¾
C.P., USP, gran bbls ..lb.	.13	:	.13½
Gray, 250 lb bbls wks ....lb.	.07	:	.07½
Bbls., e-l wks., ...lb.	...	:	.07
Imp. gray 550 lb csks ..lb.	.06	:	.06¼
Lump, 500 lb casks spot lb.	.11	:	.11½
Iodide, USP, 25 lb jars ..lb.	...	:	5.20
Lactate, 500 lb bbls .....lb.	.15	:	.16
Refined Crystals bbls .....lb.	...	:	.20
C.P. gran., 100 lb. kegs lb.	.35	:	.37
Oxalate, pure 100 lb kegs ..lb.	.35	:	.37
Persulfate, 112 kegs .....lb.	.27½	:	.30
Phosphate, dibasic 200 lb bbls lb.	...	:	.38
Tech., powdered 325 lb bbls lb.	...	:	.18
Mono, 325 lb bbls .....lb.	.12	:	.12½
Salicylate USP, 100 lb kegs .lb.	.75	:	.80
Sulfate, bulk c-l .....100 lb.	...	:	2.40
Southern points ..100 lb.	...	:	2.40
Imp., 200 dbl. bgs. fas 100 lb	...	:	2.50
Sulfate-Nitrate, bulk fob NY .ton	...	:	31.00
Sulfocyanide, tech. 100 lb kgs lb.	.40	:	.45
Amyl-Acetate, tech 50 gal drs gal.	1.80	:	1.70
Refined, 50gal. drums ..gal.	2.40	:	2.50
Alcohol, see Fusel Oil			
Butyrate absolute cans .....lb.	1.30	:	1.30
ANILINE OIL, 960 lb drums ..lb.	.16	:	.17
Hydro Bromide .....lb.	...	:	.75
Aniline Salt, 200 lb bbls ....lb.	...	:	.24
Anthracene, 80-85% 600 lb casks wks .....lb.	.60	:	.65
Anthraquinone, sub 125 lb bbl lb.	.90	:	1.00
Antimony metal, slabs tons lots lb.	.15	:	.15¼
Needle powd 100 lb cs lb.	.15	:	.16½
Bromate .....lb.	...	:	1.50
ANTIMONY CHLORIDE, anhyd 1000 lb. drs .....lb.	.16	:	.17
50 lb crocks .....lb.	.45	:	.48
Sol'n. 130 lb carboys 48° lb.	...	:	.17
Oxide, 500 lb bbls .....lb.	.16¼	:	.17
Sulfuret golden, 250 lb bbls ..lb.	.15	:	.16
Crimson 250 lb bbls .....lb.	.25	:	.27
Vermilion, 250 lb bbls ..lb.	...	:	.37½
Tartrolactate, 500 lb bbls ..lb.	...	:	.45
Tribromide .....lb.	...	:	1.05
Argols, red powd. 350 lb bbls ..lb.	.06½	:	.07
Arsenic metal 220 lb kegs ....lb.	.45	:	.50
Red, 224 lb kegs cases ....lb.	.10	:	.10½
White 220 lb cases to 550 lb bbls NY .....lb.	.03½	:	.03¾
BARIUM BINOXIDE, see Barium dioxide			
Bromate .....lb.	...	:	.70
Carbonate, precip., 300 lb bbls wks. .....ton	50.00	:	52.00
Precip. 200 lb bgs., wks ton	47.50	:	50.00
Imports, casks NY ....ton.	47.50	:	50.00
Chlorate 112 lb kegs NY ....lb.	.12	:	.12½
Chloride, 800 lb bbls wks ..ton.	65.00	:	67.00
200 lb bags, wks ...ton.	63.00	:	65.00
Imports, large crystals, bbls Spot .....ton	63.00	:	64.00
Dioxide, 88% 690 lb drs ....lb.	.13	:	.13½
Import, 86-88% 400 lb drs lb.	.13	:	.13½
Hydrate, 500 lb bbls .....lb.	.04¾	:	.04¾



MAGNITUDE

General Chemical Company's Products include:

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THE NICHOLS CHEMICAL CO., LTD., MONTREAL

GC 179

Barium Nitrate
Camphor

Chemicals

Carbazol
Dibutyl Tartrate

BARIUM Nitrate, 700 lb casks	lb.	.07¾	.08
Imports, casks	lb.	.08¼	.08½
Sulfocyanide 500 lb bbls	lb.	.27	.28
Barytes, floated 350 lb bbls wks	ton.	23.00	24.00
Imported	ton.	29.00	33.00
Crude, elf.	ton.	...	9.00
Benzaldehyde, tech, 945 lb drs. wks	lb.	.65	.70
BENZENE			
Comm. 90% 8,000gal tks wks	gal	...	.25
Oct.-Shipment	gal.	...	.24
Non-Corrosive 90% tks wks	gal	...	.26
Commercially pure tks wks	gal.	...	.25
Oct. Shipment	gal.	...	.24
Non-Corrosive pure tks wks	gal	...	.26
Nitration tks wks	gal.	...	.27
Drum lots 5c gal higher			
Benzidine Base, dry 250 lb bbls	lb.	.70	.74
Benzidine Sulfate, paste 350 lb. bbls	lb.	.65	.66
Benzol, see Benzene			
Benzoyl Chloride, 500 lb drs	lb.	...	1.00
Benzyl Acetate 100 lb. cbys	lb.	1.30	1.40
Benzoate, bulk	lb.	1.15	1.35
Chloride 95% techn, 925 lb drs	lb.	...	.25
100 lb cbys	lb.	.25	.30
Redistil. 150 lb cbys	lb.	.30	.35
BETA-NAPHTHOL 350 lb bbls wks	lb.	...	.24
c-l	lb.	...	.22
Sublimed	lb.	.55	.60
Beta-Naphthylamine tech., 200 lb bbls	lb.	.63	.67
Sublimed, 200 lb bbls	lb.	...	1.35
Blanc Fixe, dry 400 lb bbls wks	ton	80.00	90.00
Imported, bbls	ton.	70.00	72.00
Paste, 650 lb bbls c-l	ton	45.00	55.00
BLEACHING POWDER, 700 lb drs.			
c-l wks contract	100 lb.	...	2.00
lc-l wks contract	100 lb.	...	2.15
c-l spot wks	100 lb.	...	2.10
lc-l spot wks	100 lb.	...	2.25
lc-l spot ex-warehouse	100 lb.	2.35	2.50
300 lb drs., c-l wks contract	100 lb	...	2.25
c-l spot wks	100 lb.	...	2.35
lc-l wks contract	100 lb.	...	2.40
lc-l spot wks	100 lb.	...	2.50
Blues, bronze Chinese, Milori			
Prussian Soluble	lb.	.29½	.32
Blue Vitriol, see Copper Sulfate			
Bone Ash, 100 lb kegs	lb.	.06	.07
Black, 200 lb bbls	lb.	...	.08¼
Borax, crys., 400 lb bbls	lb.	.05¼	.05¾
Powdered, 300 lb bbls	lb.	.05	.05½
Kegs, 100-150 lb	lb.	.05½	.06
Bordeaux Mixture, 16% pd		.11½	.18
Paste, bbls	lb.	.08	.10
Bromide, see potass. bromide etc.			
Bromine, bot., in 50 lb cs wks	lb.	.45	.47
Bromobenzene, 600 lb drms.,	lb.	...	.50
Butter of Antimony, see Antimony Chloride			
Butyl Acetate, normal tk vrs wks	gal.	1.40	1.42
Drums c-l wks	gal.	1.42	1.44
Drums, lc-l wks	lb.	1.45	1.47
Secondary 50 gal. drums	gal.	1.00	1.05
Aldehyde, 50 gal drums wks	lb.	.70	.75
Propionate drums	lb.	.34	.36
Stearate 50 gal. drums	lb.	...	.60
Tartrate drums	lb.	.57	.60
CADMIUM, metal 100 lb bxs.	lb.	.70	.75
CALCIUM, Acetate, 150 lb bgs c-l 100 lb		...	3.25
Arsenate, 100 lb bbls c-l wks	lb.	.08½	.08¾
Bromate	lb.	...	1.50
Bromide, 100 lb cs	lb.	...	.60
Carbide, 220 lb. dr. c-l wks	lb.	.05½	.06¼
Carbonate techn., 100 lb bags c-l	100 lb.	1.00	1.10
USP, precip., 175 lb bbls	lb.	...	.06½
Chloride, solid., 650 lb drs c-l f.o.b. wks	ton.	21.00	23.00
Drms., delvd. NY	100 lb.	1.74	1.80
Imp., Shipment	ton.	...	19.50
Flake, 375 lb drs, c-l drs. f.o.b. wks	ton.	...	27.00
Drms., delvd. NY	100 lb.	2.04	2.19
Bags delvd. NY	100 lb.	2.04	2.19
Nitrate, 220 lb bbls c-l NY	ton.	...	52.00
Phosphate, tech., 450 lb bbls	lb.	.09	.10
Phosphate, mono., 325 lb bbls	lb.	.07	.08
Stearate, bbls	lb.	.23	.25
Sulfocarbolate, 10 lb kegs	lb.	.55	.57
CAMPHOR, Amer., ref., 250 lb Bbls	lb.	...	.84
3½ lb. slabs, 100 lb cs	lb.	...	.85½
Jap., ref., 2½ lb. slabs, 100 lb cs	lb.	...	.80
Powdered	lb.	...	.77
Crude, 100 lb. cs	lb.	.54	.56

Barium Carbonate — Market is quiet under light demand. Prices are unchanged.

Barium Chloride—Makers and importers quote firm unchanged prices of $63.00@$65.00 ton. Demand is good.

Benzene — Leading distributors and producers are openly quoting 24c gal. for both pure and 90% for October spot and shipment business. Conditions remain decidedly easy, although outlets are being found for entire production. Whether fuel blenders will take sufficient supplies over the coming Fall and Winter to sustain the market is unknown, but it is not thought that prices will advance if production is maintained.

Benzidine—Makers are firm at unchanged prices of 70c@74c lb as to quantity. A rumor persists that a new maker is to enter the field with a price of 50c lb, but thus far present makers have failed to confirm it.

Beta-Naphthol—All makers report a steady routine demand and quote firm unchanged prices.

Bleach—No new developments are reported in this market. Output and demand are well balanced and prices are firm.

Blues—As with other dry colors all grades of blues are moving in a manner satisfactory to sellers, with all makers maintaining the prices quoted.

Butyl Acetate—Low prices continue to prevail for normal, and tanks are selling as low as $1.37 gal. in some instances. General quotations are given as low as $1.40 gal. and range up to $1.52 gal. for tanks. Factors quoting the higher figures that they are doing practically no business. Secondary acetate is quoted at $1.00 gal. in tanks.

Butyl Proprionate—Movement is good but competition is sharp and prices extend over a wide range.

Calcium Acetate — Market remains firm at $3.25 100 lbs. Unsettled conditions in acetic acid prices with acid selling at prices that indicate a price of $2.50 for lime, may be reflected in this market.

Carbon Tetrachloride—Demand is of large volume although sharpness of competition keeps prices at unchanged figures.

Carbazol, 250 lb bbls	lb.	...	.15
Carbon Bisulfide 500 lb dr lc-l NY	lb.	.05½	.06
c-l drums, NY	lb.	.	.05¼
Carbon Black, c-l wks bags	lb.	.08	.09
100-300 lb cases lc-l NY	lb.	...	.13
Decolorizing 49 lb bgs c-l	lb.	.08	.15
90 lb drms c-l	lb.	.08¾	.15¾
Carbon Dioxide, Liquid 20-25 cy	lb.	...	.06
Tetrachloride, 1400 lb drs del	lb.	.06½	.07
Drums c-l delivered	lb.	...	.06¼
Casein, edib., 100 lb., kegs	lb.	.45	.65
Standard ground	lb.	.16¼	.16¾
Caustic Potash, see potash, caustic			
Soda, see soda, caustic			
Cellulose Acetate, 50 lb kegs	lb.	...	1.40
Cerium Oxalate, USP, 100 lb kegs	lb.	.33	.35
Bulk	ton.	...	5.00
Precip., English, 7 lb bags	lb.	...	.08½
Precip., heavy 560 lb csks	lb.	.03½	.03¾
Chinese Blue, See Blue			
hloramine USP, 200 lb bbls	lb.	...	1.75
Chlorcosane, 5 lb. bot	lb.	.55	.65
Chlorhydrin, Ethylene, See Ethylene			
CHLORINE, Liquid, tank or multi-unit car wks contract	lb.	...	.04
Tank car spot wks	lb.	...	.04¼
Carlots cyl., wks, contract	lb.	...	.05½
spot, wks	lb.	...	.05¾
lc-l cyl., wks., contract	lb.	.03	.09
Spot wks	lb.	.03¼	.09¼
Chlorobenzene, mono, 100 lb drs. wks lc-l	lb.	...	.07
CHLOROFORM, USP, 50 lb drs	lb.	...	.30
Second hands, 650 lb drs	lb.	...	.26
Technical 1,000 lb drums	lb.	.20	.22
Chlorophyll Oil Sol.	lb.	3.75	4.00
Water Sol.	lb.	3.75	4.00
Chromium Acetate 20° sol'n., 400 lb bbls	lb.	...	.05½
Fluoride, Powd., 400 lb bbls	lb.	.27	.28
Oxide, Green bbls	lb.	.34½	.35½
Chrome Green, CP	lb.	.27	.29
Comm.	lb.	.06½	.11
Chrome Yellow	lb.	.17½	.18½
Citric Acid, see Acid Citric			
Clay, c-l Bulk, Del.,	ton.	16.00	18.00
PPowdered, 125 lb bags	ton.	...	20.00
Coal Tar, See Tars			
Cobalt metal, 100 lb kegs	lb.	2.50	3.00
Cobalt Oxide, 500 lb bbls	lb.	2.00	2.10
10 lb., tins, 200 lb cases	lb.	...	2.20
Chalk, drop 175 lb bbls	lb.	.03	.03¼
Precip., light 250 lb bbls csks	lb.	...	.04½
Precip., heavy 560 lb csks	lb.	.02¼	.03½
NY	100 lb.	14.35	14.375
COPPER, metal electrolytic	100 lb.	14.32½	14.37½
Lake c-l NY	100 lb.	14.375	14.50
Casting c-l NY	100 lb	...	12.25
Carbonate 400 lb bbls	lb.	.16¾	.17¼
Chloride, 250 lb bbls	lb.	...	.28
Cyanide, 100 lb. drs	lb.	.48	.50
Oxide, red 1000 lb bbls ton lts	lb.	.16½	.17
Sub-Acetate, verd. 440 lb bbls	lb.	.17	.18
SULFATE, crys., 450 lb bbls lc-l			
Spot	100 lb.	4.90	5.00
Carlots bbls., wks 100lbs.		...	4.75
Carlots bbls fob NY 100lbs		...	4.85
Powd. 350 lb 5bbls 100	lb.	...	5.25
Cooperas bulk, crystal and sugar c-l wks	ton	...	13.00
200 lb bgs. c-l wks	ton	...	15.00
400 lb bbls c-l wks	ton	...	18.00
Powdered bbls	100 lb.	1.90	2.00
Sugar, 400 lb bbls	100 lb.	1.25	1.35
Bulk, wks	ton.	8.00	9.00
Cotton Soluble, 100 lb., bbls wet	lb.	.40	.42
Cottonseed, Meal 7%	ton	28.50	31.00
CREAM TARTAR, USP, 300 lb. bbls	lb.	.21	.21¼
Imp., powd. USP, 224 bbls	lb.	.21	.21¼
Creosote, USP, 42 lb. cbys	lb.	.40	.42
Creosote Oil Neutral, 50gal drs	gal.	.20	.21
10-15% Tar acid	gal.	.25	.26
25-30% Tar acid	gal.	.28	.29
Cresol, USP, 400 lb drums	lb.	.20	nom.
Cyclohexanol, see Hexalene			
Cymene, See Para-Cymene			
DIAMINOPHENOL, 100 lb., kegs	lb.	...	3.80
Diamyl Phthalate, drums, wks	gal.	2.95	2.97
Dianisidine, 100 lb kegs	lb.	3.25	3.50
Dibutyl Phthalate wks	gal.	2.75	2.80
Dibutyl Tartrate, 50 gal. drums	lb.	.55	.60

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New York Warehouse Stocks

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F. P. min. 42.5° C.	1–2:4	F. P. min. 8° C.

and

Ortho-Nitro-Para-Chlor-PHENOL

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Dichlorobenzene
G Salt

Chemicals

Glauber's Salt
Magnesium Carbonate

Dichlorobenzene, 1,000 lb drums	lb.	.06	.07
Dichloromethane, Drums wks	lb.	.23	.25
Diethylamine, 400 lb drs	lb.	...	2.15
Diethylaniline, 350 lb drs	lb.	.55	.60
Diethyl Carbonate, drums	gal.	1.85	2.00
Diethyl Phthalate 1,000 drums	lb.	.25	.28
Diethyl Sulfate tech., 50gal. drs	lb.	.20	.25
C.P., drums	lb.	.40	.50
Dimethylamine, 400 lb drs	lb.	...	2.60
Dimethylaniline 340 lb drs wks	lb	.32	.34
Dimethylsulfate, 100 lb. drs	lb.	.45	.50
Dinitrobenzene, 400 lb bbls	lb.	.15	.15½
Dinitrochlorobenzene, 400 lb bbls	lb	.15	.16
Dinitrochlorine, 300 lb bbls	lb.	.18	.19
Dinitronaphthalene, 350 lb bbls	lb.	.32	.34
Dinitrophenol, 350 lb bbls	lb.	.31	.32
Dinitrotoluene, 300 lb bbls	lb.	.15	.17
Diortatolylguanidine, 275 lb bbls, wks	lb.	1.05	1.08
Diphenylamine	lb.	.43	.50
Diphenylguanidine, 5,000 lbs. 100 lbs.	lb.	.35	.38
EPSOM SALT, tech., 300 lb bbls NY	100 lb.	...	2.15
Bbls c-l NY	100 lb.	...	2.00
100 lb c-l NY	100 lb.	1.50	1.75
Imp., 220 lb bgs c-l		1.10	1.20
USP, 200 lb bbls 10 bbls	100 lb.	...	2.50
Carlots, bbls kegs	100 lb	2.00	2.25
Imported, 400 lb bbls	100 lb.	1.70	2.00
ETHER, USP, 55 lb drums	lb.	...	.14
Anaesthesia, 55 lb drums	lb.	...	.10
USP, 1880 55 lb drums	lb.	...	.42
Washed, 55 lb drums	lb.	...	.37
Motor 1 lb bottles	lb.	.30	.32
Ether, Nitrous, 1 lb bot	lb.	.90	.95
Ethyl Acetate, 99% 50gal drs	gal.	...	1.05
85% Ester, 10 gal. drs	gal.	...	.77
Carlots, drums	gal.	...	.74
Tank cars	gal.	...	.72
Refined drums	gal.	1.72	1.85
Aceto Acetate drums wks	lb.	...	1.00
Benzyl Aniline, 300 lb drs	lb.	...	1.00
Bromide, 115 lb drs	lb.	...	.50
Butyrate, cars	lb.	1.10	1.20
Chloride, 200 lb drs	lb.	...	.22
Lactate drums wks	gal.	...	3.50
Methyl Ketone, 50gal drs	lb.	.30	nom.
Oxalate drums wks	lb.	.45	.55
Ethylene Bromide, 600 lb drs	lb.	...	.70
Chlorhydrin, anhyd., 50gal drs	lb.	.75	.85
40% Solution, 50gal bbls	lb.	.25	.30
Dichloride, 50gal drs	lb.	...	.15
Tank cars	lb.	...	.10
Glycol 50gal. drums wks	lb.	.30	.40
Tri Chloride	lb.	.10	.10½
Ethylidenaniline	lb.	.62	.65
Feldspar, bulk	ton.	20.00	25.00
FERRIC CHLORIDE, tech., crys. 475 lb bbls	lb.	.07½	.09
Imported	lb.	.04¾	.05
C.P., crys., 100 lb. kegs	lb.	...	.10
Imported	lb.	.06	.06½
Neut., Soln 42° 140 lb chys	lb	.06½	.07
46° 140chys	lb.	.08	.08½
USP., Sol'n., 125 lb chys	lb.	.06½	.07
Bromide, solution	lb.	...	.55
Ferrous Bromide, sol'n.,	lb.	...	.55
Chloride cryst tech 475 lb bbls	lb.	.05	.06
Sulfide 1,000 lb. bbls	100 lb.	2.50	3.00
Flake-White, see lead White			
Fluorspar, 95% 220 lb bags ex-dock	ton.	...	25.00
96% bags	ton.	...	32.50
98% bags	ton.	...	35.00
FORMALDEHYDE USP 400 lb bbls c-l wks	lb.	.10¼	.10½
Carboys 100 lb lc-l wks	lb.	...	.12
Bbls., 400 lb lc-l wks	lb.	.10½	.10¾
Formaldehyde Aniline 100 lb drs	lb	.39	.42
Formanilide,	lb.	.38	.40
Furfural, 500 lb drums	lb.	...	.17½
Tanks, wks	lb.	...	.15
Fusel Oil, 10% Impurities drs	gal	...	1.30
Refined	lb.	2.25	2.28
G SALT, paste 360 lb bbls basis 10%	lb.	.50	.52

Casein — The market continues quiet and unchanged prior to the Fall buying season which is expected to set in at an early date.

Chlorine—Demand is increasing heavily. Supplies are plentiful, however.

Copper Sulfate—Makers remain in control of the situation due to continued heavy demand. Quotations are firm and unchanged at $4.75@$4.80 100 lbs. for carlots.

Copperas—Makers continue to report a firm market at unchanged prices.

Diamyl Phthalate — Market is easy with quotations given at $2.95 @$2.97 gal.

Dibutyl Phthalate — Quotations extend over a wide range, with $2.75@$2.80 the lowest heard.

Dinitrobenzene — Makers quote unchanged prices and expect conditions to remain firm throughout the contract season.

Diphenyl-Guanidine — Has not shown any price change in some time, with a fairly steady demand reported.

Epsom Salts—Technical and U. S. P. are moving in a large way at firm unchanged prices.

Ethyl Acetate—Although demand is heavy, price shading is prevalent and prices are given over a wide range. The lowest heard on tanks is 68c gal.

Ethylene Glycol—Maker reports a very heavy demand with practically all leaders using some glycol to replace glycerin. Production for coming Winter for the anti-freeze market is practically spoken for. Some supplies are being diverted into mono-ethyl-ether of ethylene glycol which is a lacquer solvent. Thus far, however, this product has not been offered in the open market. Bulk prices of glycol are unchanged, but an advance of 25c gal. to $3.75 gal. has been announced in the price of the gallon cans for anti-freeze.

Fusel Oil—Producers are very much firmer in their attitude and quote a minimum of $1.30 gal.

G Salt—Demand is fair and prices are unchanged.

Glauber's Salt—Market is in a much firmer condition and factors are unwilling to accept less than $1.05@$1.10 100 lbs. for carlots of bags. Demand is increasing.

GLAUBER'S SALT, tech, 200 lb bags c-l wks	100 lb.	1.05	1.10
lc-l wks	100 lb.	1.15	1.20
350 lb bbls c-l wks	100 lb.	...	1.10
Bbls., lc-l wks	100 lb.	1.25	1.35
Imported, bags NY	lb.	.75	.80
Calcined, see Sodium Sulfate			
GLYCERIN, CP, 550 lb drms	lb.	...	.30
Cans, 50 lb	lb.	...	.31
Dynamite, 100dr	lb.	...	.27
Saponification, tanks	lb.	...	.19
Soap, Lye tanks	lb.	.17	.18
Hexachlorethane Drums wks	lb.	...	.45
Hexalene, 50gal. drs, wks	lb.	.55	.57
Hexamethylenetetramine, USP, 100 lb drums	lb.	.60	.62
Imported	lb.	.58	.60
Rubber Makers, Impalp. Pd. drs	lb.	.80	.82½
Hi-Flash Naphtha 8,000gal. tks wks.	gal.	...	.35
Drums wks	gal.	...	.40
HYDROGEN PEROXIDE, 10 vol. 400 lb. bbls	lb.	.04½	.05
15vol.	lb.	.06	.06½
17vol	lb.	.07	.07½
25vol.	lb.	.07	.07½
100vol. 140 lb chys	lb.	.31	.33
IODINE, crude 200 lb. kegs	lb.	4.20	4.25
Iridium, metal, 10gm. lots	oz.	...	260.00
Iron, metal by hydrogen 1 lb bot.	lb.	.68	.70
IRON Chloride, see Ferric or Ferrous			
Nitrate, kegs	lb.	.09	.10
Com'l bbls	100 lb.	2.50	3.25
Oxide, red Spanish	lb.	.02½	.03¼
English	lb.	.10	.12
Perchloride, see Ferric Chloride			
Isopropyl Acetate 50gal drums	gal.	.85	.90
Kaolin see Clay			
LANOLIN, see Adeps Lanae			
LEAD, metal, c-l NY	100 lb.	8.80	8.90
Acetate, white crystals, 500 lb. bbls. wks	100 lb.	14.00	14.50
100 to 250 lb kegs wks	100 lb.	...	15.00
White, broken bbls wks	100 lb.	14.50	15.00
White, gran bbls wks	100 lb.	14.50	15.00
White, powd bbls wks.	100 lb.	14.75	15.25
Brown, broken bbls wks	100 lb.	13.00	13.50
Arsenate, 100 lb kegs	lb.	.13¾	.14
Bbls., c-l wks	lb.	...	.14
Bbls., lc-l wks	lb.	.14	.14½
Paste, 100 & 600 lb bbls	lb.	.08	.09
Nitrate, 500 lb bbls. wks	lb.	...	.14
Oxide, Litharge, 500 lb bbls	lb.	...	.11¾
100 kegs wks	lb.	.14¼	.15¼
Oxide, red, 500 lb bbls wks	lb.	...	.11¾
100 lb. kegs wks	lb.	.12¾	.16¾
Oleate, bbls	lb.	.17½	.18
Peroxide, 100 lb drs	lb.	.25	.30
White, basic carb., 500 lb. bbls. wks	lb.	...	.10¾
100 lb kegs wks	lb.	.14¾	.15¾
White sulfate 500 lb bbls wks	lb.	...	.10
LIME, (Salts, see Calcium Salts)			
Ground Stone, bags	ton.	...	4.50
Live, bulk	ton.	...	3.50
Live, 325 lb. bbls ton lots wks	100 lb.	...	1.05
Single bbl., wks	100 lb.	...	1.08
Hydrated, 167 lb bbl. ton lots, wks	100 lb.	...	.85
Single bbl. wks	lb.	...	.01
Oyster Shell, 150 lb bbl. xing	lb.	...	.03½
Sulfur, dry 200 lb. drs NY	lb.	...	.03½
Drs., c-l NY	lb.	...	.07½
33° Sol'n., 50 lb bbls N Y	gal.	.12	.12½
Litharge see lead oxide			
Lithium Carb., USP, 100 lb. kgs	lb.	1.45	1.50
Bromide, 100 lb cs	lb.	1.80	1.90
Lithopone, 400 lb bbls lc-l wks	lb.	...	.06½
Bbls., c-l wks	lb.	...	.05½
Bags, c-l wks	lb.	...	.05¾
Imported, 400 lb bbls.	lb.	.05¾	.06
Litmus Cubes	lb.	.90	1.00
Second hands	lb.	...	.75
MAGNESITE, calcined, 500bbls ton.		48.00	50.00
Magnesium, mtl., sticks 100 lb cs f.o.b. wks	lb.	...	.85
Bromate	lb.	...	1.50
Carb., tech., 70 lb bags NY	lb.	.06½	.06¾
75 lb bbls NY	lb.	.08	.08½
USP, 100 lb bbls	lb.	.09½	.10
English, cs. blocks	lb.	.17	.19

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Nitrotoluene

Chemicals

Ochre
Potash Salts

MAGNESIUM Chloride, flake 575 lb drs. c-l wks ....ton	...	:	37.00
Imp., Flake Shipt. ....ton.	...	:	33.00
Imp., fused 900 lb bblsNY ton.	...	:	31.00
Fluosilicate, crystals 400 lb bbls wks ....lb.	.10		.10 ⅛
30% sol'n. 500 lb bbls wks lb.	.07	:	.07½
Sol'n. bbls c-l wks ....lb.	...	:	.06
Oxide, USP, light 100 lb bbls lb.	...	:	.42
USP, heavy, 250 lb bbls ..lb.	...	:	.50
Salicylate, 100 lb. kegs ....lb.	.75	:	.80
Stearate bbls ....lb.	.33	:	.35
Sulfate, see Epsom Salts			
Manganese Borate, 30% 200 lb bbls ....lb.	...	:	.24
100 lb kegs ....lb.	...	:	.25
Chloride, 600 lb cks ....lb.	.08	:	.08½
Dioxide, 80-84% 900 lb bbls NY ....ton.	80.00	:	85.00
85-90% 900 lb bbls NY .ton.	85.00	:	90.00
Hydrated, precip 100 lb kgs lb.	.15	:	.23
Ore, bulk, cif NY ....lb.	.41	:	.43
Sulfate, 550 lb drums NY ..lb.	.07	:	.07¼
MERCURY, metal 75 lb flask flask	93.50	:	94.00
Meta-Nitroaniline ....lb.	.73	:	.74
Meta-Nitro-para-Toluidine, 200 lb. bbls ....lb		:	1.75
Meta-Phenylenediamine, 300 lb. bbls ....lb.	.90	:	.94
Meta-Tolylenediamine, 300 lb. bbls ....lb.	.72	:	.74
Tanks ....lb.	...	:	.70
METHANOL (Wood Alcohol)			
95% tanks ....gal.	...	:	.65
Drums, c-l ....gal.	...	:	.68
Drums, lc-l ....gal.	...		.70
97% tanks ....gal.	...	:	.67
Drums, c-l ....gal.	...	:	.70
Drums, lc-l ....gal.	...	:	.72
Pure, Acetone free, tanks ..gal.	...	:	.75
Drums, c-l ....gal.	...	:	.78
Drums, lc-l ....gal.	...	:	.80
Bbls., incl., 6c higher			
U. S. denat. grd tanks ....gal.	...	:	.70
Drums c-l ....gal.	.73	:	.75
Methyl Acetate drums ....gal.	...	:	.95
Methyl Acetone, 100gal drums gal.	.78	:	.80
Tank, cars ....gal.	...	:	.75
Bromide ....lb.	...	:	1.00
Chloride, 90 lb cyl ....gal.	.55	:	.60
Salicylate, USP, 50 lb cans gal	...	:	.87
500 lb drums ....lb.	...	:	85
Michler's Ketone, 225 lb bbls ..lb.	3.00	:	3.25
Milk, powd., 150 lb bbls ....lb.	.14	:	.15
Milk Sugar, see Sugar of Milk			
Mining Salts Drums wks ....lb.	...	:	.33
Monobromobenzene See Bromobenzene			
Monacetine, See Acetine			
Monochlorobenzene, see Chlorobenzene			
Monethylaniline, 900 lb drs. ..lb.	...	:	1.05
Monomethyl paraminophenol sulfate 100 lb drs. ....lb.	3.95	:	4.20
NAPHTHA, see Solvent Naphtha			
NAPHTHALENE, Flake, 175 lb bbls wks ....lb.	.04½	:	.05
Balls, 250 lb wks ....lb.	.05½	:	.06
Crushed, chipped bgs., wks ..lb.	...	:	.04½
Crude, imp., bags ....lb.	.01¾	:	.02¼
NICKEL			
Ingot 100 lb kegs	...	:	.35
Chloride, bbls kegs ....lb.	.21	:	.24
Oxide, 100 lb kegs NY ....lb.	.35	:	.38
Salt single 400 lb bbls NY .lb.	.08	:	.08½
Double 400 lb bbls NY ..lb.	.08½	:	.09
Sulfate, See Nickel Salt, single			
Nickel Metal, electrolytic ...100 lb.	...	:	34.00
Nicotine, Free 40% 8 lb. tins cs lb.	1.10	:	1.20
NITRATE SODA, spot, See Sodium Nitrate			
Nitre Cake, bulk wks ....ton.	4.50	:	5.50
500 lb bbls ....ton.	13.00	:	14.00
Nitrobenzene, crude, 1,000 lb. drs wks ....lb.	.08½	:	.09½
Redistilled, 1,000 drs wks lb.	.09½	:	.10½
Nitronaphthalene, 550 lb bbls ..lb.	...	:	.35
Nitrotoluene, mixed 1,000 lb drs wks ....lb.	.14	:	.15

Glycerin—No sales of dynamite were reported during the week, and sellers quote 27c lb which is subject to shading. Consumers are believed to be well covered over balance of year. Anti-freeze campaign is under way but many express the opinion that sufficient stocks are on hand to satisfy any demand from this direction. Sales of soap lye are fair at 17½c@17¾c lb, but refiners are not buying past October. Saponification is nominally 19¼c@19½c lb.

Lead, Red—On a steady demand from consuming fields, principally the paint trades, prices are unchanged at 12c lb on the spot.

Litharge—The market price of 11½c lb is well maintained this week, with consumers placing orders in good volume.

Mercury—Market has advanced sharply and leading factors name $93.50@$94.00 flask.

Meta-Nitro-Para-Toluidine — Demand is of fair volume and quotations are firm and unchanged.

Methanol — Producers remain firm in their quotations and report a very strong market with allotment of supplies necessary. Quotations have shown no change.

Methyl Acetone—Makers are firm in their quotations which remain unchanged.

Naphthalene—Market here is in a quiet condition with prices at low figures.

Nickel Salts—No change is reported in this market.

Ortho-Nitro-Toluene — Demand has subsided due to the elimination of alcohol denaturing formula em-employing this product. Makers have reduced their quotations to old figures of 13c@14c lb.

Ortho-Toluidine — The lessened demand for ortho-nitro-toluidine has relieved the tight situation in this material. Demand is excellent, particularly from mining quarters. Quotations are unchanged.

Para-Nitroaniline—Demand is of large volume. Makers generally are of the opinion that a further price advance will be announced shortly, due to the fact that makers have reconsidered their costs and have reached a point where the margin of profit is too small.

Ochre ....lb.	...	:	.03½
Oil Fusel See Fusel Oil			
Oil Mirbane, see nitrobenzene			
Orange Mineral, 1100 lb cskNY lb.	...	:	.14½
700 lb bbls NY ....lb.	...	:	.14¾
Ortho-Aminophenol, 50 lb. kegs lb.	2.20	:	2.25
Ortho-Anisidine, 100 lb drs ....lb.	2.50	:	2.75
Ortho-Dichlorbenzene, see Dichlorbenzene			
Ortho-Nitrochlorobenzene, 1,200 lb. drs. wks ....lb.	.32	:	.35
Ortho-Nitrophenol, 350 lb ....lb.	.85	:	.90
Ortho-Nitrotoluene, 1,000 lb drs. wks ....lb.	.13	:	.14
Ortho-Toluidine 350 lb bbls ....lb.	.25	:	.27
PALLADIUM, metal 10oz. lots ..oz.	80.00	:	81.00
Para-Aminoacetanilid, 100 lb. kegs ....lb.	1.00	:	1.05
Para-Aminophenol, 100 lb kegs .lb	...	:	1.15
Hydrochloride, 100 lb kegs ..lb.	1.25	:	1.30
Para-Dichlorbenzene, 150 lb bbls. wks ....lb.	.17	:	.20
25-50 lb kegs ....lb.	.20	:	.21
Paraldehyde 110-55 gal drs USP tech ....lb.	.26	:	.28
Para-Cymene Refd. 110gal. drs. gal.	2.25	:	2.50
Paraformaldehyde, USP, 100 lb cs lb.	.42½	:	.45
Para-Nitroacetanilid, 300 lb bbls ....lb.	.50	:	.55
PARA-NITROANILINE, 300 lb bbls. wks single bbls ....lb.	.48	:	.49
Para-Nitrochlorobenzene, 1,200 lb drs. wks ....lb.	...	:	.32
Para-Nitro-ortho Toluidine, 300 lb. bbls ....lb.	2.75	:	2.85
Para-Nitrophenol, 185 lb bbls lb.	.50	:	.55
Para-Nitrosodimethylaniline, 120 lb. bbls ....lb.	.92	:	.94
Para-Nitrotoluene, 350 lb bbls ..lb.	...	:	.80
Para-oxy Benzaldehyde, 100 lb kegs ....lb.	...	:	1.70
Para-Phentidin, 500 lb drs. ....lb.	1.55	:	1.80
Para-Phenylenediamine, 350 lb. bbls ....lb.	...	:	1.20
Para-Toluene-Sulfonamide, 175 lb. bbls ....lb.	.40	:	.41
Para-Toluene-Sulfonchloride, 410 lb. bbls. wks ....lb.	.18	:	.30
Para-Toluidine, 350 lb bbls wks lb.	.50	:	.60
PARIS GREEN,			
Arsenic Basis, 500 lb kegs ..lb.	.19	:	.20
Kegs, 100lbs. ....lb.	.21	:	.22
Kits, 56, 28, 14lbs. ....lb.	.22	:	.23
Packages, 5 and 2lbs. ....lb.	.23	:	.24
Packages 1 lb. ½ lb., ¼ lb. ..lb.	.25	:	.26
Paris White, see Whiting French			
PETROLATUM, green 300 lb bbls lb.	.02½	:	.03
Dark Amber, 300 lb bbls ....lb.	...	:	.04¼
Light Amber, 300 lb bbls ....lb.	...	:	.04½
Cream White USP 300 lb bbls lb.	.07	:	.07½
Lily White, USP, 300 lb bbls lb.	...	:	.07¾
Snow White, USP, 300 lb bbls lb.	...	:	.12½
Phenol, see also acid carbolic			
Makers 950 lb drums spot ....lb.	...	:	.17
Small drums 250-100 lb ..lb.	.18	:	.19
Open market drums ....lb.	...	:	.21
Natural 240 lb des drs. wks lb.	...	:	...
Phenyl-Alpha-Naphthylamine 100 lb. kegs ....lb.	1.23	:	1.29
Phosgene, 100 lb. cylinders ....lb.	...	:	...
Phosphorus Oxychloride, 175 lb cyl lb.	.35	:	.40
Phosphorus, red 110 lb cs ....lb.	.68	:	.70
Yellow 110 lb cs wks ...lb.	...	:	.32
Imported, 110 lb cs wks lb.	.35	:	.37½
Phosphorus Trichloride, 175 lb cyl. wks ....lb.	...	:	.45
Phthalic, Anhydride, 100 lb bbls. wks. ....lb.	.18	:	.20
Pitch, Coal-Tar wks ....ton.	24.00	:	26.00
Plaster Paris, techn., 250 lb bbls bbl.	...	:	8.30
Platinum metal soft, 10 oz lots oz.	...	:	115.00
POTASH SALTS, rough			
Pot. Muriate, basis 80% bags ton	...	:	34.90
Pot. Sulfate, basis 90% bgs. ton	...	:	45.85
Pot. & Mag., Sulfate, basis 48% bags ....ton	...	:	36.36
Manure Salts basis 30% bulk ton	...	:	18.00
Manure Salts, basis 20% bulk ton	...	:	11.35
Kainit, basis, 12.4% bulk .ton	...	:	8.50
Discounts 50tons, 5%; 500 tons 10%			
Bulk in bags, 02.00 extra			
Price cif. Atlantic&Gulf Ports			

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(Light & Dense 58%)

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(Solid, Ground & Broken)

Bicarbonate Soda
(Powder U. S. P.)

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(All grades)

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THE CLEVELAND-CLIFFS IRON COMPANY
CLEVELAND, OHIO

Potassium Acetate
Soda Ash

Chemicals

Soda Caustic
Tri-Sodium Phosphate

POTASSIUM Acetate, USP, 100 lb. kegs	lb.	.29	.30
Second Hands, kegs	lb.	.26	.28
Bicarbonate crys 320 lb bbls	lb.	.09	.09½
Bichromate crys., 725 lb casks	lb.	.08¼	.08½
Powd. 725cnks., wks	lb.	.11	.13
Binoxalate, 300 lb bbls	lb.	.16	.17
Import, 112 lb bbls	lb.	.18	.19
Bisulfate, 100 lb kegs	lb.	...	.30
Bromate, 100 lb. cs	lb.	...	.35
BROMIDE, USP, cryst., 450 lb bbls	lb.	.48	.49
Granular, 300 lb bbls	lb.	.48	.49
Cases, 100 lb	lb.	...	.50
Imported, USP, 220 lb cs	lb.	.38	.41
CARBONATE, 80-85% calc. 800 lb cks	lb.	.05¾	.05¾
80-85% hydrated, 800 lb Casks	lb.	.05¾	.05½
90-95% calc. casks	lb.	.06½	.06½
96-98% calc., casks	lb.	.06¾	.07
99% calc. casks	lb.	...	.07½
USP, 100 lb kegs	lb.	.11	.11½
99% CP, casks	lb.	...	.12½
Chlorate, cryst. 112 lb. kgs e-l wks	lb.	.08½	.09
Imp. 112 lb NY	lb.	.08¼	.08½
Powd., 112 lb kegs wks	lb.	.08½	.09
Imp., kegs NY	lb.	.08¼	.08½
Gran. Imp., 112 lb kegs NY	lb.	.10½	.11
Pyrotechnic, fine powd. NY	lb.	...	.07
Chloride, crys. bbls	lb.	.05½	.05½
Chromate, kegs	lb.	.27	.28
Citrate, USP, 50 lb	lb.	...	.60
Cyanide, 110 lb cases	lb.	.55	.57½
Metabisulfite, 300 lb bbls	lb.	.11	.12
Imp., 550 lb bbls	lb.	.11	.12
Nitrate, see Saltpetre			
Oxalate, neutral, 225 lb bbls	lb.	.16	.17
Perchlorate 112 lb kegs	lb.	.11	.12
PERMANGAN, USP, crys., 500 lb. & 100 lb drs. wks	lb.	.13¾	.14
Imp., 113 lb. drs	lb.	.13½	.14
Prussiate red, 220 lb. bags	lb.	.39	.40
Prussiate, yellow 500 lb casks	lb.	.18	.18½
Sulfocyanide, CP, 25 lb jars	lb.	...	.50
Tartrate, neutral 100 lb kegs	lb.	...	.51
Titanium Oxalate, 200 lb bbls	lb.	...	.25
Pyridine, 50 gal drs	gal.	...	3.80
QUICKSILVER, see Mercury			
Quinone, 100 lb kegs	lb.	1.75	2.25
R SALT, 250bbls, wks	lb.	.45	.47
Red Lead, See Lead Oxide			
Rochelle Salt, USP, 225 lb bbls	lb.	.20	.20½
Imp., USP, 300 lb bbls	lb.	.19	.19½
Sal Ammoniac, see Ammon. Chloride			
Sal Soda, see Sodium Carbonate			
Salt, Common, see Sodium Chloride			
Salt Cake 94-96% e-l wks	ton	19.00	20.00
White, 87% wks	ton	15.00	17.00
SALTPETRE, Double refined Granular, 450-500 lb bbls. e-l wks.,	lb.	...	.06
Less e-l wks	lb.	.06¼	.06½
Powdered, bbls., e-l wks	lb.	...	.07¼
Large Crystals, bbls e-l wks	lb.	...	.08
Triple Refined Gran., bbls., less e-l wks	lb.	.06¾	.06¾
Satin White, 500 lb bbls	lb.	...	.01½
SILICA Crude, bulk, mines	ton.	6.00	7.00
Refined, floated, bags	ton.	15.00	30.00
Air floated, bags	ton.	32.00	50.00
Extra, floated, bags	ton.	55.00	65.00
SILVER, metal, American oz.	oz.	.64	.64½
Soap, Castile, 40 lb bxs	lb.	.20	.25
Powd. USP, 250 lb bbls	lb.	.28	.30
Green, USP, 450 lb bbls	lb.	.07½	.08½
SODA ASH, 58% light 1-4 bags delivered NY 100 lb.		...	2.10
5 & Up bgs., del'd. NY 100 lb.		...	2.04
1-4 bbls. delvd. NY 100 lb.		...	2.44
5 & Up bbls del'd. NY 100 lb.		...	2.39
Contract, Basis 58% light e-l bags wks 100 lb.		...	1.38
58% dense e-l bgs wks 100 lb.		...	1.50
Prompt and spot, basis 58% light bgs e-l wks 100 lb.		...	1.43
58% dense e-l bgs wks 100 lb.		...	1.45
Prompt and spot basis 58% e-l wks 100 lb.		...	1.50

Phenol — Conditions show no change. Quotations are unchanged, but demand is light and production large.

Potash Caustic—Much firmer conditions are reported. Quotations are unchanged.

Potassium Chlorate—Demand is heavy and quotations from maker and importers are unchanged.

Potassium Permanganate—Maker and importers continue to transact the great bulk of business at 13¾c@14¼c lb as to quantity.

Pyridine—Demand is at a standstill. Spot quotations remain unchanged at $3.60 gal., but shading is likely for large quantities.

Soda Caustic—Market is in a firm condition, and spot business is being transacted at schedule prices in practically all cases.

Sodium Fluoride—Demand is of good volume and prices are firm and unchanged.

Sodium Nitrate—On this market business is being done in a small way, not up to the tonnage moving at this season last year. Buyers do not seem to want to anticipate their requirements any more than is absolutely necessary. Late this week the October schedule price of $2.40 100 lbs. goes into effect.

Sodium Phosphate—Demand for di and tri salts is of excellent volume. Quotations from leading factors show no variation.

Sodium Sulfide—Makers report a steady market at unchanged prices. Movement is increasing, but a few distressed lots of imported material have been disposed of at prices under the general quotations. It is not believed that these prices could be duplicated as the foreign market shows no signs of weakness.

Solvent Naphtha—Demand is of fair volume but supplies are large. The recent reduction in xylene quotations might have an effect on prices of this material.

Toluene — Market is somewhat firmer due to greatly increased demand during past two weeks. Quotations of 35c gal. for tanks at 36c gal. for commercial, 38c for 10°, 45c for 5°, 55c for 3°.

Xylene—Market is quiet at recent price reductions. Quotations are now given for tanks at 36c gal. for commercial, 38c for 10°, 45c for 5°, 55c for 3°.

SODA CAUSTIC, 76% solid 1-4 drums deliv'd. NY 100 lb		...	3.91
5 & Up drs del. NY 100 lb.		...	3.76
Ground & Flake 76% 1-4 drms, del., NY 100 lb.		...	4.31
5 & Up drs del. NY 100 lb.		...	4.16
1-4 bbls del. 100 lb.		...	4.56
5 & Up bbls del. 100 lb.		...	4.41
Contract basis 76% e-l wks 100 lb.		...	3.10
Pmpt., and spot Basis 76% e-l wks 100 lb.		...	3.30
Contract 74% low grade e-l wks flat 100 lb.		...	3.02
Ground & Flake, 76% pmpt. and spot, wks e-l drs 100 lb.		...	3.60
USP, stick, 10 lb cans	lb.	.19	.21
Pure, stick, by alcohol	lb.	.25	.27
Soda Sal, see Sodium Carbonate			
Sodium Metal, 12½ lb. bricks	lb.	...	.27
SODIUM ACETATE, crys., 450 lb bbls wks	lb.	.04½	.05
Aluminate, 500 lb bbls wks	lb.	.07½	.08
Aluminum Sulfate, see Alum Soda			
Arsenate, 4 lb mtl. wks drms gal.		.50	.60
Drums, 8 lb material, wks gal.		1.00	1.20
Benzoate, USP, 100 lb bbls	lb.	.50	.55
Bicarbonate, 400 lb bbls NY 100 lb.		...	2.41
Bbls e-l wks 100 lb.		...	2.00
112 lb kegs e-l wks	lb.	...	2.25
112 lb kegs NY 100 lb.		...	2.66
Bichromate, 560 lb casks wks	lb.	.06¼	.06½
Bisulfite, dry powder 500 lb bbls wks	lb.	...	.08½
Imported	lb.	...	.08
BROMIDE, USP 450 lb bbls	lb.	.48	.49
Cases, 50 lb	lb.	.48	.49
Imp., USP, 220 lb cases	lb.	.44½	.45
Bromate, 100 lb cs	lb.	...	1.15
Carbonate Sal Soda 350 lb bbls le-l NY 100 lb.		1.30	1.35
Works e-l 100 lb.		1.10	1.30
Monohydrate, 400 lb. bbl. le-l NY 100 lb.		...	2.40
Pure photographic 100 lb.			
Imported, 112 lb. kegs	lb.	.06¼	.06½
Chloride, tech	ton.	12.00	13.00
CP, 300 lb. bbls	lb.	.05	.06
Chlorate, 112 lb kegs wks	lb.	.06¼	.06½
kegs	lb.	.06	.08
Chromate 800 lb bbl	lb.	...	.08
Cyanide 96-98% 100 & 250 lb. drums wks	lb.	...	.20
e-l wks	lb.	...	.19
Imp., 95-97% 100 lb drs	lb.	...	.19
e-l wks	lb.	...	.18
Fluoride, 300 lb bbls, wks	lb.	.08¾	.09
Imp., 700 lb cks	lb.	.09	.10
Hydroxide, see Soda Caustic			
Hypochlorite Soln 100 lb cbys	lb.	...	.05
14½ soln., 50 lb cbys	lb.	...	.04
Hydrosulfite, 200 lb. bbls fob wks	lb.	.22	.24
Fur Stripping 50 cans	lb.	.20	.25
HYPOSULFITE, tech., pea crys. 375 lb bbls., wks 100 lb.		2.65	3.05
Bbls, e-l wks 100 lb.		...	2.50
100 lb. kegs wks 100 lb.		2.80	2.90
Imp. 100 lb.		2.75	3.00
Regular crys., bbls. wks 100 lb.		2.40	2.65
Bbls., e-l wks 100 lb.		2.40	2.50
Kegs, wks 100 lb.		2.35	2.45
Imp. 100 lb.		2.35	2.45
Metanilate, 150 lb bbls	lb.	.70	.75
Molybdate 100 lb kegs	lb.	...	1.10
Naphthionate, 300 lb. bbls	lb.	.55	.57
Nitrate crude, 95% 200 lb bgs e-l, NY 100 lb.		...	2.36
Sept.-Shipment 100 lbs.		...	2.36
Double Refined 400 lb bbls. Gran. e-l wks	lb.	...	.03⅞
Nitrite, 500 lb bbls spot mkrs	lb.	.08¾	.09
Imp., 650 lb casks	lb.	.08¾	.09
Ortho-Chloro-Toluene Sulfonate 175 lb bbls. wks	lb.	.25	.27
Oxalate, neutral, 100 lb. kegs	lb.	.20	.23
Perborate, 275 lb bbls	lb.	.21	.22
Imp., 225 lb drs	lb.	.21	.22
Peroxide, 200 lb cases	lb.	...	.27
Phosphate, di-sodium tech 550 lb. Bbls 100 lb.		3.25	3.55
Imp., 100 lb.		3.12½	3.15
USP, Gran., 275 bbls	lb.	.07	.07¼
Imp, Gran.	lb.	.04½	.05¼
USP, Cryst. 275 bbls	lb.	.07½	.08
Mono-sodium 100 lb kegs	lb.	.30	.31
Tri-sodium tech e-l bbls 100 lb.		...	3.90

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Solvay 58% Soda Ash
Dense—Light
Solvay Fluf (Extra Light Soda Ash)
Solvay 76% Caustic Soda
Solid—Flake—Ground
Solvay Super Alkali
Solvay Snowflake Crystals
(Trademark Registered)
Solvay Laundry Soda
Solvay Cleansing Soda
Solvay Tanners Alkali
Solvay Tanners Soda
Solvay Liquid Caustic Soda
Solvay Calcium Chloride 73%—75%

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Sodium Picramate
Toluene

Chemicals

Toluidine
Corn Oil, Crude

SODIUM (Continued)			
Picramate, 100 lb. kegs	lb.	...	.69
Para-Toluene Sulfonate 175 lb bbls	lb.	.08	.09
PRUSSIATE, yellow, 350 lb bbls, wks	lb.	.10	.10½
Imp., 50 lb cks	lb.	.10	.10½
Pyrophosphate, 100 lb kegs	lb.	.13½	.14
Salicylate, 100 lb kegs	lb.	.31	.33
Silicate, 40° turbid, tanks wks	100 lb.	...	.75
55gal. drums wks	100 lb.	.85	1.10
40° clear, tanks wks	100 lb.	...	1.10
55gal. drs. wks	100 lb.	1.20	1.45
42° turbid tks., wks	100 lb.	...	.80
55gal. drs wks	100 lb.	.90	1.15
42° clear, tanks, wks	100 lb.	...	1.25
55gal. drs., wks	100 lb.	1.35	1.75
Silicofluoride, 450 lb bbls NY	lb.	.04½	.05
Stannate, 100 lb drums	lb.	.41½	.42
Sulfanilate 400 lb bbls	lb.	...	.16
Sulphate, see Glauber's Salt			
Sulfate, Anhydrous 550 lb bbls. c-l wks	lb.	.02¼	.02¾
Imp., 250 lb bbls	lb.	.01⅞	.02
Sulfide, 60% solid, 650 lb drs. lc-l wks	lb.	.03¾	.04
Drs., c-l wks	lb.	...	.03½
Imp., 700 lb drs NY	lb.	.03	.03½
60% brkn, 650 lb drs wks	lb.	.04	.04¼
Drs. c-l wks	lb.	...	.03¾
30% crys., 440 lb bbls wks	lb.	.02½	.02¾
Imp. 400 lb bbls	lb.	.02¼	.02⅜
Sulfite, cryst., 400 lb bbls wks	lb.	.03¼	.03½
Anhydrous, USP, 100 lb kgs	lb.	.08½	.09
Sulfocarbolate, USP, 100 lb kgs	lb.	.32	.34
Sulfocyanide, 400 lb bbls	lb.	.40	.45
Tungstate, cryst., 100 lb kegs	lb.	.80	.82½
SOLVENT NAPHTHA, 110gal. drs. wks	gal.	...	.40
8,000gal. tank crs wks	gal.	...	.35
STRONTIUM, Bromide, USP, 50 lb. kegs	lb.	.51	.52
Carbonate NF 600 lb bbls wks	lb.	...	.30
100 lb kgs. wks	lb.	...	.08
Nitrate, 600 lb bbls NY	lb.	.08	.08½
Imported, bbls NY	lb.	.08	.08½
SULFUR Crude, fob., mines	ton	18.00	19.00
Brimstone Broken Rock 250 lb bgs	100 lb.	...	2.05
c-l	100 lb.	2.30	2.55
Less c-l bbls NY	100 lb	...	2.35
Roll, 500 lb bgs c-l NY	100 lb.	2.60	2.85
Less c-l bbls NY	100 lb.	...	2.50
Flour, Heavy bgs c-l	100 lb.	...	2.60
Light, 100% bags c-l	100 lb.	...	2.60
Rubbermakers 100%	240 lb. bbls., c-l bags NY	100 lb.	...	2.60
Comm'l 99% c-l	150 lb bgs. NY	100 lb.	...	1.45
For Dusting, c-l 99%	100 lb bags, NY	100 lb	...	1.40
Flowers, 100%	155 lb bbls. NY c-l	100 lb.	...	1.45
Precipitated 125 lb bbls NY	lb.	...	.11
Lac., 125 lb bbls NY	lb.	...	.12
Sulfur Chloride, red, 700 lb drs. wks	lb.	.05	.05½
	lb.	...	.06½
150 lb cbys wks	lb.	.03¾	.04½
Yellow, 700 lb drs wks	lb.	.17	.19
Sulfur Dioxide, 100 lb cyl	lb.	.65	.70
Sufuryl Chloride, 600 lb drs.	lb.	.07	.08
Tar Coke Oven, Tks., wks	gal.	...	.08
Water Gas, Tks., wks	gal.	...	1.90
Terra Alba No 1 300 lb bbls	100lbs	1.85	.20
Tetralene, 50gal. drs wks	lb.	.33	.34
Thiocarbanilid, 170 lb bbls	lb.	...	.58½
TIN, metal Straits NY	lb.	...	.65¾
99% American NY	lb.	...	.19½
Bichloride, 50% sol'n. bbls. wks	lb.	...	.46½
Crystals, 500 lb bbls., wks	lb.	...	.47
100 lb kegs wks	lb.	...	.68
Oxide, 300 lb bbls. wks	lb.	...	.70
100 lb kegs wks	lb.	...	.61
Recovered bbls	lb.	...	.39½
Tetrachloride, 100 lb drs wks	lb.	.13	.14
Titanium Oxide bbls., wks	lb.	.90	.94
Tolidine, 350 lb bbls	lb.	.80	.85
Sulfate, 350 lb bbls	lb.	.80	.85
Toluene, 8,000gal. tnk cars wks	gal.	...	.40
110gal. drs wks	gal.	...	.37
Nitration, Tank cars wks	gal.	...	.43
Drums wks	gal.	...	.36
Non-corrosive tank crs wks gal.		...	.41
Drums, wks	gal.	...	.41

OILS AND FATS

Chinawood Oil—Spot oil was a shade higher at the close last week at 17¾c@18c lb. Tanks for Oct.-Nov.-Dec. shipment from the Coast are offered at 15¼c lb with Jan.-Feb. at 14¼c lb. Consuming interest on this market is routine.

Coconut Oil—Prices were again a shade easier at the close of last week on a routine consuming interest and a fairly generous supply of stocks. Ceylon oil in barrels was offered at 10c@10½c lb spot, with tanks quoted at 9⅞c@9¼c lb. Cochin in barrels was held at 11c@11¼c lb. Spot Manila oil in barrels was reported sold at 9⅞c@10c lb New York.

Cod Oil—Little change was noticed in this market last week with prices on a par with the previous week's close and sales progressing at a steady rate.

Corn Oil—The market both on spot and at the mills was quiet with an easy undertone apparent, in sympathy with the drop in cottonseed oil.

Cottonseed Oil—Locally, cottonseed oil experienced a sharp decline over last week. At the close of the week sellers were asking something over 10c lb on spot, but buyers' ideas were nearer 9½@9¾c lb and sales were actually made at this figure during the week. Prices on future oil were proportionately lower at 9⅜c lb for October; 9.20c lb for November and 9.23c lb for December.

Linseed Oil—At the close of last week crushers were quoting 11.2c lb for spot carload barrels. This price is on a par with the price of the previous week after the market had rallied a bit early in the week.

Olive Oil—Denatured olive oil is the firmest item on the oil list with advances noted last week to $1.40 @$1.50 gal. for spot oil and replacements practically on a par with this figure. Very little oil is available on spot and is closely held at the prevaiing figures. Consuming interest is of enough volume to hold the market up.

Olive Foots—Although the spot market shows no change and continues to be quoted at 8¾c@9c lb it is reported that the replacement costs have mounted to a position above spot at 9c lb.

Toluidine, Mixed, 900 lb drs wks	lb.	.31	.32
Toner Lithol Red bbls	lb.	.85	.90
Para Red bbls	lb.	.75	.80
Toluidine,	lb.	1.75	1.80
Triacetin, 50gal. drs wks	gal.	3.60	3.90
Tribromphenol, 100 lb cases	lb.	...	1.10
Triphenylguanidine	lb.	.70	.75
Triphenyl Phosphate, 450 lb bbls	lb.	...	.75
Tungsten, NY	WOunit	10.50	11.00
Ultramarine Blue	lb.	.15	.25
Urea, Pure, 112 lb cases	lb.	.18	.20
Venetian Red	lb.	...	.60
Vermilion Amer., 100 lb kegs	lb.	.35	.40
English kegs	lb.	1.45	1.50
WHITE LEAD, see lead, white			
XYLENE, 3° dist. range nitration 110gal. drs., NY	gal.	...	.60
5° dist. range, 8,000gal. tanks wks	gal.	...	.45
110gal. drs wks	gal.	...	.50
10° dist., range drms wks	gal.	...	.43
Tanks, wks	gal.	...	.38
Com'l. 110 gal drs wks	gal.	...	.41
Tanks wks	gal.	...	.36
Xylidine crude	lb.	...	.35
Refined	lb.	.38	.40
ZINC. METAL, high grade slabs c-l N Y	100 lb.	7.75	7.80
Ammonium Chloride, powd. 400 lb. bbls	lb.	...	.06¼
Carb., tech, bbls NY	lb.	.09½	.10
USP, 100 lb kegs	lb.	...	.20
Chloride, fused 600 lb drs wks	lb.	...	.06
Drs. c-l wks	lb.	...	.05¾
Granulated, 500 lb bbls wks	lb.	.06¼	.06½
Imported dr NY	lb.	.06¼	.06¾
Solution 50% tnks wks	100 lb.	...	3.00
Cyanide, 100 lb. drs	lb.	.40	.41
Dust, 100 lb. tins wks	lb.	...	.10
500 lb bbls kegs c-l wks	lb.	...	.09
500 lb bbls kegs lc-l wks	lb.	...	.09½
Oxide, Amer., Bags wks	lb.	.07½	.07⅝
Amer 300 lb. bbls wks	lb.	.07⅝	.07⅞
French, 300 lb bbls wks	lb.	.10½	.12½
Bbl. c-l wks	lb.	.10½	.12½
Bags c-l wks	lb.	.10⅛	.12½
USP, 100 lb bbls c-l	lb.	...	.14
10-25 bbl lots	lb.	...	.15
5bbl lots	lb.	...	.16
1bbl lots	lb.	...	.17
Imported, white seal, bbls	lb.	.12	.13½
Green seal, bbls	lb.	.11½	.12
Red seal, bbls	lb.	.10½	.11
Stearate, USP, 50 lb bbls	lb.	.21½	.24
Sulfate, 400 lb bbls wks	lb.	.03	.03¼
Bbls c-l wks	lb.	...	.02½
USP, 100 lb bbls	lb.	.08	.09
Sulfide, 500 lb bbls	lb.	.30	.32
Sulfocarbolate, 100 lb kegs	lb.	.29	.30
Ziconium, oxide, pure	lb.	.45	.50
Semi-refined bags	lb.	.08	.10
Natural, bags	lb.	.02½	.03

Oils & Fats

Castor, No. 1, 400 lb bbls	lb.	.12¼	.13
80 lb cases	lb.	.13½	.14
No. 3	lb.	.12	.12½
Blown, 400 lb bbls	lb.	...	.18
China Wood bbls spot NY	lb.	.17¾	.18
Tanks, Spot NY	lb.	...	.16¼
Coast tanks	lb.	.15¼	.15½
Coconut Ceylon 375 lb bbls NY	lb.	.10	.10¼
8,000 gal tanks NY	lb.	.09⅛	.09½
Cochin, 375 lb bbls NY	lb.	.11	.11¼
Tanks, NY	lb.	...	.10
Manila bbls NY	lb.	.09⅞	.10
Tanks NY	lb.	.09	.09¼
Tanks Pacific Coast	lb.	.08½	.08⅝
Edible bbls NY	lb.	.12½	.13
Cod Newfoundland, 50gal bbls	gal.	.62	.64
Tanks, NY	gal.	.57	.59
Cod Liver, see Cod Liver Oil under Chemicals			
Copra, bags	lb.	.06	.06¼
Corn, ref., 375 lb bbls NY	lb.	.14	.14¾
Tanks	lb.	.12	.12¼
Crude tanks mills	lb.	.09½	.09¾
Bbls NY	lb.	.11	.11¼

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Whale Oil, Crude

Oils & Fats

Yolk Oil
Glue

Cottonseed Crude, mill	lb.	...	.08¼
PSY, 100bbls spot	lb.	.10	.10⅛
Oct.	lb.	.09½	.09¾
White, 100 bbls lots NY	lb.	...	.13½
Winter yellow 100bbls NY	lb.	...	.14
Degras, Amer., 50gal. bbls NY	lb.	.04¼	.04½
English, light bbls NY	lb.	.05¼	.05½
Brown, bbls NY	lb.	.04⅝	.04¾
Light brown, bbls NY	lb.	.04⅛	.04⅝
Dark, bbls NY	lb.	.03½	.04
Neutral, bbls NY	lb.	.97½	.13
Moellon, bbls, NY	gal.	...	.50
Greases choice white bbls NY	lb.	.10	.10¼
Yellow	lb.	...	.08
House	lb.	...	.07¾
Brown	lb.	...	.07½
Herring, Tanks, Coast	gal.	nom.	nom.
Horse, 375 lb bbls NY	lb.	.10	nom.
Lard, prime steam bbls	lb.	.15	.15½
Compounds, bbls	lb.	.13¾	.14
LARD OIL, edible prime	lb.	...	.17
Off prime bbls	lb.	...	.12¾
Extra bbls	lb.	...	.12½
Extra, No. 1, bbls	lb.	...	.11¾
No. 1 bbls	lb.	...	.11½
No. 2, bbls	lb.	...	.11¼
LINSEED, raw c-l bbls spot	lb.	...	11.2
Five bbls raw	lb.	...	11.6
Tanks, raw	lb.	...	10.4
Bld., 5 bbl lot wks.	lb.	...	11.8
Dbl. boiled 5bbl.	lb.	...	11.9
Sept-Dec c-l wks	lb.	...	11.2
Imported bbls NY	gal.	...	...
Tanks, NY	gal.	...	...
Menhaden, crude tanks, Balt	gal.	...	.47½
Light pressed, bbls NY	gal.	.65	.67
Yellow, bleached bbls NY	gal.	.66	.70
Extra bleached bbls NY	gal.	.70	.73
Blown bbls NY	lb.	...	.10
Mineral Oil, white, 50gal. bbls	gal.	.80	.90
Russian gal.	gal.	.95	1.00
Neatsfoot 20° st., bbls NY	lb.	...	.18¾
Pure bbls NY	lb.	...	.15¾
CP bbls NY	lb.	...	.18¾
Extra bbls NY	lb.	...	.12
No. 1, bbls NY	lb.	...	.11½
Oleo Oil, No. 1 bbls NY	lb.	.12¼	.12¾
No. 2, bbls NY	lb.	...	.11
No. 3, bbls NY	lb.	...	.10¼
OLIVE, denatured bbls NY	gal.	1.40	1.50
Edible, bbls NY	gal.	...	2.00
Foots bbls NY	lb.	.08¾	.09
Shipments	lb.	.08¾	.09
Palm Lagos, 1,500 lb casks	lb.	.08½	.08¾
Niger casks	lb.	.08	.08¼
Bonny Old Calabar casks	lb.	...	nom.
Palm Kernel bbl NY	lb.	.10¼	.10⅝
Casks	lb.	.10	.11
Peanut refined bbls NY	lb.	.16½	.17
Crude, mills buyers' tks	lb.	...	.13
Crude, bbls, NY	lb.	...	.14½
Perilla bbls NY	lb.	.13½	.14
Tanks, NY	lb.	.11¼	.11½
Poppyseed, bbls NY	gal.	1.70	1.75
Rapeseed, bbls NY Japanese	gal.	.85	.86
English	gal.	.92	.93
Blown bbls NY	gal.	1.07	1.08
Red Oil, distilled bbls	lb.	.10	.10½
Tanks	lb.	...	.08¾
Saponified, bbls	lb.	.10½	.11
Tanks	lb.	...	.09
Salmon, 8,000 gal. tks Coast	gal.	.50	nom.
Sardine, Tanks, Pacific Coast	gal.	...	.87
Sesame, edible yellow bbls	lb.	.12½	.13
White	lb.	.15	.16
Sod Oil, bbls, NY	gal.	...	.40
SOYA BEAN, crude tks Pac Cst.	lb.	.10¼	.10¾
Crude, tks., NY	lb.	...	.11¼
Crude, bbls., NY	lb.	.13½	.13
Refined bbls NY	lb.	...	.13
Sperm, 38° st., blchd, bbls NY	gal.	.85	.86
45° cold test blchd bbls NY	gal.	.82	.84
STEARIC ACID,			
Double pressed, bags dist.	lb.	.13¼	.13¾
Double pressed, bgs saponified	lb.	.13¼	.13¾
Carlots	lb.	...	.13
Triple pressed bgs dist.	lb.	.15¼	.15½
Carlots	lb.	...	.15
Stearine Oleo bbls	lb.	...	.11½
Tallow edible, tierces	lb.	...	.11
City Extra loose	lb.	.08¾	.08¾
Tallow Oil, acidless tks., NY	lb.	.10½	.10¾
Bbls., c-l NY	lb.	...	.11¼
Whale, nat winter bbls NY	gal.	.76	.78
Blchd. winter bbls, NY	gal.	.78	.80
Extra blchd, bbls, NY	gal.	.80	.82
Crude No. 1, tanks coast	gal.		
Crude No. 2, tanks coast	gal.		
Crude No. 3, tanks coast	gal.		

Peanut Oil—Refined oil is quoted lower this week at 14c@14½c lb for barrels at New York. Crude oil, both on spot and at the mills, is quoted in practically a nominal way.

Rapeseed Oil—The weaker tendency which has been in evidence in all grades was again manifested in Japanese oil on spot last week and prices were further reduced to 83c@85c gal. English oil was unchanged at 92c@93c gal., spot and blown was quoted $1.07@$1.08 lb.

Red Oil—The demand continues in good volume on this market and prices are unchanged at 10c@10¼c lb for distilled in barrels and 10½c @11c lb for saponified.

Stearic Acid — Is moving in a steady manner at prices which are in line with those prevailing for some weeks past.

INDUSTRIAL RAW MATERIALS

Albumen—Vegetable albumen is again firm at 60c@65c lb for edible and 50c@55c lb for technical after a recent decline, on the strength of reports that a large manufacturer was about to enter the field, which have since proved unfounded. Blood albumen is steady and unchanged and spot egg edible is easy and routine.

Bees Wax—On a steady market prices are generally unchanged with an average amount of business passing.

Blood—In this section the market seems to lack snap with no great interest shown at the moment. The spot market is unchanged at $4.00 and 10c unit. Chicago and imported parcels are in a similar position at $3.85 and 10c unit Chicago and $3.90 and 10c unit on the coast for South American.

Bone Meal—Factors here are experiencing a rather good inquiry for imported parcels at $32.00@$33.00 ton.

Carnauba Wax—Continues as the firmest item in the wax group, with No. 1 Yellow now closely held at 62c@63c lb on spot. There is little material coming into the market and this is being absorbed by contract commitments. Factors here look to a maintenance of this market level until the turn of the year. No. 2, regular, is quoted a shade higher at 55c@56c lb with other grades unchanged.

Yolk Oil, bbls	lb.		
Turkey Red, Oil, single bbls	lb.	.11	.12
Double	lb.	.14	.16
Walnut, crude bbls NY	lb.		

Industrial Raw Materials

Albumen, Egg edible	lb.	.94	.97
Tech., 100 lb drs	lb.	.92	.94
Blood, 225 lb bbls	lb.	.50	.60
Vegetable edible	lb.	.60	.65
Technical	lb.	.50	.55
Ammonium Sulfate, See Chemicals			
Annatto, fine	lb.	.41	.48
Archil, double 600 lb bbls	lb.	.13	.14
Triple, 600 lb bbls	lb.	.16	.17
Cone, 600 lb bbls	lb.	.18	.19
Asbestine, c-l	ton.	16.00	18.00
le-l	ton.	20.00	22.00
Bees Wax, white cases	lb.	.58	.60
Yellow, refined cases	lb.	.46	.48
Crude, bags	lb.	.40	.41
Commercial, cs.,	lb.	.27	.28
Blood dried fob NY	unit	...	4.00
Chicago	unit	...	3.85
S. Am. Shipment	unit	...	3.90
Bone Raw, Chicago	ton.	...	33.50
Bone Meal 3 & 50 1 MP	ton.	32.50	33.00
Bone Ash, 100 lb kegs	lb.	.06	.07
Black, 200 lb bbls	lb.	...	.08¼
Candelilla Wax, bags	lb.	.33	.35
Carnauba Wax, Flor., bags	lb.	.59	nom.
Powd.	lb.	.59	nom.
No. 1, Yellow bags	lb.	.62	.64
No. 2, regular bags	lb.	.55	.56
No. 2, N. Country bags	lb.	...	nom.
No. 3, N Country bags	lb.	.44	.46
No. 3, chalky bags	lb.	.44	.46
CHARCOAL			
Hardwood, lump, bulk wks	bu.	.18	.19
Spot NY	bu.	.24	.26
Wood, powd., 100 lb bbls	lb.	.04	.05
Willow, powd 100 lb wks bbls	lb.	.06	.06¼
Chestnut, clarified, 25% tks, wks	lb.	.01½	.01¾
Bbls., wks	lb.	.02½	.02¾
Powd., 60% 100 lb bags wks	lb.	.05½	.05¾
Decolorized bags wks	lb.	.06¼	.07
Cudbear, English	lb.	.17	.18
Cutch Rangoon 100 lb bales	lb.	...	.18
Tablets, 120 lb boxes	lb.	.13	.14
Borneo solid, 100 lb bales	lb.	.05½	.05¾
Cyanamide, bulk c-l wks Amm unit.		1.90	2.05
Imp. Amm unit.		2.00	2.30
Dextrin, white corn 140 lb bags,			
c-l	100 lb.	...	3.87
bags c-l	100 lb.	...	3.97
Canary	100 lb.	...	3.92
bags le-l	100 lb.	...	4.02
Potato, white 220 lb bags le-l	lb.	...	.08½
Yellow, 220 lb bags	lb.	...	.08½
Tapioca, 200 lb bags le-l	lb.	.08	.08¼
Divi Divi Extract	lb.	.04	nom.
Pods, bags ship	ton.	40.00	41.00
EARTH, Diatomaceous, see Kieselguhr			
Egg Yolk, 200 lb cs	lb.	.68	.70
Ester Gums			
Dark, 280 lb. bbls.,	lb.	.13¾	.14
Light, 280 lb. bbls.	lb.	.14	.14¼
Fish Scrap, dried wks	unit	4.00	& .10
Acid Bulk 7 & 3½, Deltv.			
Norfolk & Balt basis	unit	3.50	& .60
Flavine Lemon 55 lb cs	lb.	.90	.95
Orange 70 lb cs	lb.	.85	.90
Fossil Flour	lb.	.02½	.04
Fustic, solid 50 lb boxes	lb.	.20	.23
Crystals, 100 lb boxes	lb.	.20	.22
Liquid, 51°, 600 lb bbls	lb.	.09	.10
Fustic, sticks	ton.	30.00	32.00
Chips	lb.	.04	.05
Gall extract	lb.	.20	.21
Gambier 25% liq., 450 lb bbls	lb.	.12	.14
Common 200 lb cases	lb.	.08	.09
Singapore cubes, 150 lb bags	lb.	...	.23
Gelatin, Technical 100 lb cs	lb.	.45	.50
Glucose, (Grape Sugar) dry 70°			
bags c-l NY	100 lb.	3.14	3.24
80° bags c-l NY	100 lb.	3.24	3.34
Tanners' Spcl 100 lb bgs 100 lb.		...	3.14
GLUE, pure white bbls	lb.	.22	.26
Medium white, bbls	lb.	.20	.24
French bbls	lb.	.18	.25
High Grade, bbls	lb.	.35	.40
Bone, regular, bbls	lb.	.10	.12
Fish, bbls	gal.	1.50	1.75
Hide bbls	lb.	.14	.24

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Industrial Raw Materials

GUM, Accroides, Red, coarse and fine, 140-150 lb bags		.03¾	.04½
Powdered, 150 lb bgs.	lb.	.06	.06½
Accroides, Yel. 150-200 lb bgs	lb.	.18	.20
Animi (Zanzibar) Bean and pea 250 lb. cases	lb	.40	.45
Glassy, 250 lb cases	lb.	.60	.65
Asphaltum, Barbadoes, Manjak 200 lb bags	lb.	.09	.12
Egyptian, 200 lb. cases	lb.	.15	.17
Gilsonite selects 150 lb bgs	ton	55.00	60.00
Benzoin, Sumatra, Tech., 120 lb cases	lb.	.30	.32
Copal, Congo, 112 lb bags Water White,	lb.	.35	.36
Light Amber,	lb.	12½	.14
Dark Amber,	lb.	08¾	.09
Clean Opaque	lb.	.12	.13
Copal, East Indian 224 lb cases, 180 lb bags— Pale, E. I. Bold	lb	.18	.18½
Pale, E. I. Chips	lb	.06½	.07
180 lb. bags— Copal, Manila, 180-190 lb baskets— Pale Bold, Loba A.	lb.	.16	.16½
Pale Bold, Nubs, Loba B	lb.	.15	.15½
Pale, Bold, Loba C	lb.	.14½	.15
Pale Nubs, P.N.	lb.	.14	.14½
Pale Bold, 224 lb cases	lb.	.16	.18
Copal, Pontianak 224 lb cases— Pale, Bold, genuine No. 1	lb.	.28	.28½
Pale, genuine split chips	lb.	.19	.19½
Damar, Batavia, standard, 136 lb. cases	lb.	.27½	.28¾
Batavia E Seeds 136 lb cases	lb.	.18	.18½
Batavia, F Splinters, 136 lb cases and bags	lb.	.09	.09½
Batavia, Dust 160 lb bags	lb.	.07	.07½
Singapore No 1 224 lb cs	lb.	.34	.35
Singapore No.2 224 lb cases	lb.	.21	.21½
Singapore No.3 180 lb bgs	lb.	.07	.07¼
Elemi, No. 1 80-85 lb cs	lb.	.15	.16
No. 2 80-85 lb cases	lb.	.14	.15
No. 3, 80-85 lb cases	lb.	.13	.14
Kauri No. 1 224-226 lb cases	lb.	.67½	.68
No. 2, fair pale 224-226 lb cases	lb.	.44½	.45
Bush Chips, 224-260 lb. cases	lb.	.38	.40
Pale Chips, 224-260 lb cases	lb.	.24½	.26
Brown Chips, 180-200 lb. bags	lb.	.14½	.16
Sandarac, Prime quality 220 lb. bags and 300 lb casks	lb.	.26	.27
Graphite, crude, 230 lb bags	ton.	15.00	35.00
Flake, 500 lb bbls	lb.	.05	.09
HEMATINE, Paste, 500 lb bbls	lb.	.09	.12
Crystals, 400 lb bbls	lb.	.12	.20
Hemlock, 25% 600 lb bbls wks	lb.	.03½	.03¾
Bark,	ton.	...	16.00
Hypernic, 51° 600 lb bbls	lb.	.12	.15
Indigo Madras bbls	lb.	1.28	1.30
20% paste drums	lb.	.14	.15
Japan Wax 224 lb cs	lb.	.18½	.19
KIESELGUHR, 95 lb bags NY	ton	60.00	70.00
Larch 25% 600 lb bbls wks	lb.	.03¾	.04
Powd., 100 lb. bags wks	lb.	.08	.09
Logwood 51° 600 lb bbls	lb.	.08¼	.08½
Lower grades	lb.	.07½	.08
Solid, 50 lb boxes	lb.	.12	.15
LOGWOOD, sticks	ton.	26.00	27.00
Chips, 150 lb bags	lb.	.03	.03½
Madder, Dutch	lb.	...	.30
Mangrove, 55% 400 lb bbls	lb.	.03½	nom.
Mangrove, bark, African	ton.	...	36.00
Marble Flour, bulk	ton.	10.00	12.00
See also Calcium Carbonate under Chemicals			
Montan Wax, crude bags	lb.	.06½	.07
Bleached bags	lb.	.24	.27
Myrobalans, 25% liquid bbls	lb.	.04	.04½
50% solid, 50 lb boxes	lb.	.08	.08¼
Myrobalans, bags J1	ton	45.00	46.00
R2	ton.	...	...
New crop	ton.	28.50	29.50
J2	ton.	...	...
New crop	ton	29.50	31.00
Nitrogenous Material bulk,	unit	...	3.60
NUTGALLS, Chinese, bags	lb.	.17	.18
Aleppy bags	lb.	.25	nom.
Powd. bags	lb.	.23	.24
Oak bark, whole	ton.	20.00	23.00
Ground	ton.	45.00	50.00
Oak, tanic, wks	lb.	...	.03½
23-25% liq. 600 lb bbls wks	lb.	.04	.04¼
Solid, powd.	lb.	.07½	.08

Dextrins—The market on all grades is well maintained and an average amount of material is passing into consumers hands.

Cottonseed Meal—Some limited business has been done recently at $26.00@$26.50 ton, f. o. b. Southern shipping points, but as yet sellers have not noticed an increase in the consuming demand.

Divi Divi—Unchanged and quiet both on spot and for shipment, with buyers showing little or no interest in offerings.

Gums, Varnish—Sellers still seem desirous of holding off from purchasing more than their immediate requirements as a result of which the market is dull and shows an unsteady undertone.

Japan Wax—The spot market is well maintained at 18½c@19c lb with limited stocks offered and buyers taking deliveries of parcels in a steady manner. Statistically the market is in a firm position.

Myrobalans—Shipment prices are fairly well maintained in the face of routine buying interest. Current quotations are: $45.00@$46.00 ton for J1; $28.50@$29.00 ton for R2; $29.50@$31.00 ton for J2.

Rosins—During last week the spot market on rosins eased off a bit, but showed recoveries late in the week on an improved demand, although sales were not made in a large volume. Current quotations are: B, $14.25; D, $14.50; E, $15.00; F, $15.25; G, $15.25; H, $15.25; I, $15.25; K, $15.25; M, $15.25; N, $15.75; WG, $16.25; WW, $17.00.

Tankage—Buying interest is dull at the moment and the market is routine with prices maintained at previous levels and stocks in as limited supply as has been the case for some time past. The Chicago and South American markets have shown no change worthy of comment.

Turpentine — Although prices over last week showed no upward turn the undertone of the market is better and sellers are asking slightly higher prices on spot. Foreign business is slow with the domestic demand a bit steadier. Primary markets show some slight advances.

Wattle Bark—Buying interest is practically non-existent at this time. Shipment prices are unchanged but unsteady at $41.00@$42.00 ton.

Osage Orange 51° liquid	lb.	.07	.07½
Powd. 100 lb bags	lb.	.14½	.15
Crystals	lb.	.16	.17
Paracoumarone, 230 lb. drums	lb.	.12	.15
Paraffin, ref'd. 200 lb. cs slabs 118-120 deg. M.P.	lb.	.08	.09
123-127 deg. M.P.	lb.	.06½	.06¾
128-132 deg. M.P.	lb.	.07½	.07¾
133-137 deg. M.P.	lb.	.08	.08½
138-140 deg. M.P.	lb.	.08¾	.10
Phosphate Acid, 16% Bulk wks	unit	.62½	.65
Phosphate Rock, fob., mines Florida Pebble 68%	ton.	3.00	3.25
Florida Pebble 70%	ton	3.50	3.65
Florida Pebble 72%	ton	3.85	4.00
Florida Pebble, basis 75%-74%	...	...	5.35
Florida Pebble, 75%	...	...	5.60
Florida Pebble, basis 77%-76%	...	...	6.00
Tennessee, 72%	ton.	...	5.50
Pine Oil, stm., dist. bbls	gal.	...	.66
Destructive dist.	lb.	.63	.64
Prime	bbl.	8.00	10.60
Plaster Paris, tech., 250 lb bbls	bbl.	...	3.30
Pumice Stone, lump, 250 lb bbls	lb.	.04½	.06
Lump, bags	lb.	.04	.05
Powdered, 350 lb bbls	lb.	.02½	.03
QUEBRACHO, 35% liquid tks	lb.	.03	.03½
450 lb bbls c-l		.03½	.04
35% bleaching, 450 lb bbls	lb.	.04	.05
Solid 63% 100 lb. bales clf.	lb.	.04½	.04¾
Clarified, 64% bales	lb.	...	.05
Quercitron, 51° 450 lb bbls	lb.	.06½	.07
Solid, 100 lb. boxes	lb.	.10	.13
Quercitron, bark, rough	ton.	...	14.00
Ground	ton.	34.00	35.00

Rosins. (Solid in 600 lb bbls gross for net)

B,	14.25	I,	15.25
D,	14.50	K,	15.25
E,	15.00	M,	15.25
F,	15.25	N,	15.75
G,	15.25	WG,	16.25
H,	15.25	WW,	17.00

(Sold in 600 lb bbls net, quotations based on a unit of 280 lb)

Rosin Oil, first run 50gal bbls	gal.	...	.85
Second run bbls	gal.	...	.90
Rotten Stone lump imp. bbls	lb.	.07	.08
Lump selected, bbls	lb.	.09	.12
Powdered, bbls	lb.	.02	.05
Domestic bags mines		24.00	30.00
Sago Flour 150 lb bags	lb.	.04¼	.05
Spruce, 25% liquid tanks, wks	lb.	.01	.01½
bbls	lb.	...	.01¾
Powd. 50% 100 lb bags wks	lb.	.02	.02½
Starch, rice, 140 lb bags	lb.	.09	.10
Powd. 140 lb bgs c-l	100 lb.	...	3.42
Bags lc-l	100 lb.	...	3.52
Pearl, 140 lb bags	100 lb.	...	3.32
Bags lc-l	100 lb.	...	3.42
Potato domestic, 200 lb bgs c-l	lb.	.04¾	.05
Imported bags duty paid	lb.	.04¾	.05¼
Wheat, dom., thick bags	lb.	.06½	.07
Thin, bgs	lb.	.09½	.10
Sol. Potato	lb.	.06	.06½
Sumac, extract, liq 450 lb bbls	lb.	.05	.06
CP., 450 lb bbls	lb.	...	.10½
Stainless, 600 lb bbls	lb.	.11	.11½
Sumac, Sicily leaves 100 lb bags	ton	130.00	nom.
Ground shipment	ton.	75.00	78.00
Virginia, 150 lb bags	ton.	55.00	60.00
TALC, Italian 220 lb bags NY	ton.	40.00	50.00
Refined, white bags	ton.	50.00	55.00
French, 220 lb bgs NY	ton.	30.00	35.00
Refined, white bags	ton.	38.00	45.00
Dom., crude, 100 lb. bags NY	ton.	12.00	15.00
Refined 100 lb bags NY	ton.	16.00	18.00
Tankage, ground NY	unit	4.50	& .10
High grade fob Chicago	unit	4.25	& .10
So. Am. cif.,	unit	4.50	& .10
Tapioca Flour, high grade bgs	lb.	.04¾	.05
Medium grade, bags	lb.	.03½	.04
Low grade, bags	lb.	.03	.03¼
Tar, Kiln-burnt	bbl.	...	14.50
Retort bbls	bbl.	...	18.50
Tripoli, 500 lb bbls	100 lb.	2.50	3.00
Turpentine Spirits, bbls	gal.	.91	.95
Wood steam Dist. bbls	gal.	.81	.85
Valonia Cups 30-31% tan	ton.	33.00	34.00
Beard, 42% tan bags	ton	55.00	56.00
Mixture Bark, bags	ton.	40.50	41.50
Wattle Bark, bags	ton.	41.00	42.00
Extract 55% dble bgs ex-dock	lb.	...	.05¼
Whiting 200 lb bags c-l wks	100 lb.	...	1.25
Alba bags NY c-l	ton.	...	13.00
Gilders, bags NY c-l	100 lb.	...	1.35
French, bags NY c-l	ton.	14.50	19.00
English, bags NY c-l	ton.	21.00	22.00
Paris white bags c-l	100 lb.	1.00	1.00

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IMPORTS AT NEW YORK

Sept. 17 to 24

ACIDS—Acetic, 51 cks., Rensheim & Moore, Hamburg; **Butyric,** 50 demijohns, Ransheim & Moore, Hamburg; **Citric** 15 cks., Order Hamburg; **Formic,** 168 demijohns, A Klipstein & Co., Hamburg; 80 balloons, R W Greeff & Co., Rotterdam; **Stearic,** 50 bgs, C R Spence & Corp. Rotterdam; **Tannic,** 13 bbls., American Exchange National Bank Hamburg; **Tartaric,** 25 cks., Order, Hamburg

AETHYLENDIBROMIDE—14 bbls., Potash Importing Corporation of America, Hamburg

ALBUMEN—20 cks., American Exchange Pacific National Bank, Hamburg

ALCOHOL—Methyl, 179 drs., Kuttroff Pickhardt & Co., Rotterdam

AMMONIUM—Carbonate, 20 cks., J Turner & Co., Liverpool; 20 cks., Standard Bank of South Africa, Ltd., Liverpool; **Muriate,** 160 cks., Kuttroff Pickhardt & Co., Rotterdam; **Nitrate,** 221 cks., R W Greeff & Co., Oslo; **Oxalate,** 10 kgs., Order, Antwerp

ANTIMONY—Oxide, 170 cs., 100 bgs., Order, Hamburg; **Regulus,** 560 cs., Order, Hamburg; 128 cs., Order, Bordeaux; 1,500 cs., Order, Rotterdam; 250 cs., Order, Hamburg; **Sulfide,** 19 cks., Schofield Donald Co., Southampton

ARGOLS—61 cks., Tartar Chemical Works, Naples; 118 bgs., C Pfizer & Co., Liverpool; 174 bgs., Royal Baking Powder Co., Lisbon

ARSENIC—50 cks., Roessler & Hasslacher Chemical Co., Hamburg; **Metallic,** 50 drs., Central Union Trust Co., Hamburg

BARIUM—Carbonate, 500 bgs., Order, Rotterdam; **Chloride,** 58 cks., The Goldschmidt Corp., Rotterdam; **Sulfate,** 10 bgs., Uniform Chemical Products Co., Hamburg; 2 bgs., Cooper & Cooper Inc., Hamburg

BARYTES—600 bgs., E I. Bullock & Sons, Hamburg; 60 bbls., A Hurst & Co, Hamburg; 500 bgs, 13 cks., C J Osborn Co., Bremen; 1 lot in bulk, Ore & Chemical Corp., Rotterdam; 20 bbls., A Hurst & Co, Hamburg

BENZOYLPEROXIDE—5 cs., J P Meyer & Co., Rotterdam; 1 cse., Order, London

BONE PHOSPHATE—997 bgs., H A Sinclair, Rotterdam

CASEIN—466 bgs., Equitable Trust Co., Bordeaux; 334 bgs., Guaranty Trust Co., Bordeaux; 599 bgs., Order, Havre, 375 bgs., Equitable Trust Co., Buenos Aires; 1,168 bgs., Order, Buenos Aires

CHALK—50 bbls., Diener Blank & Co., Hamburg; 600 bgs., H J Baker & Bros., Bristol; 90 bgs., National City Bank, Antwerp

CHEMICALS—100 balloons, Roessler & Hasslacher Chemical Co., Rotterdam; 300 cks., Order, Rotterdam; 63 cks., A Klipstein & Co., Hamburg; 98 cks., Rhodia Chemical Co., Rotterdam; 20 drs., American Bauriesveem Inc, Rotterdam; 90 cks., 250 bgs. P Uhlich & Co., Rotterdam; 32 cs., Mercl. & Co., Rotterdam; 50 bgs, Conway Laboratories, Rotterdam; 10 cks., Pfaltz & Bauer Inc., Rotterdam; 43 bbls., Hummel & Robinson Corp., Rotterdam; 107 cks., 6 drs., International Acceptance Bank, Rotterdam; 50 drs., Order, Rotterdam; 8 cs., Order, Havre; 46 cks., H Sundheimer Inc., London; 115 cks., K Geiger Inc., Rotterdam; 55 cks., Roessler & Hasslacher Chemical Co., Hamburg. 6 cs., Order, Hamburg; 10 cks., Order, Antwerp; 25 cs., McKesson & Robbins Inc., Hamburg; 60 cs., Quinine & Chemical Works, Hamburg; 24 cks. 14 cs., Roessler & Hasslacher Chemical Co., Hamburg; 20 cks., 1 cse., Dissosway Chemical Co., Hamburg; 39 cs., Tice & Lynch, Hamburg; 10 cs., American Krueger & Toll Corp., Hamburg; 189 pgs., Pfaltz & Bauer Inc., Hamburg; 107 drs., 2 cs., 20 cks., Order, Hamburg; 10 cs. Heyden Chemical Corp., Hamburg; 10 bbls., Equitable Trust Co., Hamburg; 5 cs., W A Schlesinger, Hamburg; 40 bbls., W Schall & Co., Bremen; 13 bbls, H Falck & Co., Hamburg; 2 bbls., Superfos Co., Hamburg; 45 cks., Roessler & Hasslacher Chemical Co., Rotterdam; 6 bbls., Equitable Trust Co., Rotterdam; 270 cks., Roessler & Hasslacher Chemical Co., Rotterdam; 16 cks., A Klipstein & Co., Rotterdam

CHEMICAL COMPOUND—10 rs., Lo Curto & Co., Hamburg

CHEMICAL PRODUCTS—6 cks., Merck & Co, Hamburg; 34 cks., Cheramy Inc., Havre

CLAY—122 bgs, Fulton Bag & Cotton Mills, Calcutta; 515 bgs., Order, Bristol; **China** 114 bgs., Order, Bristol

COAL TAR—Distillate, 25 drs., Tar Acid Refining Corp. Liverpool; 50 drs., Tar Acid Refining Corp, Liverpool; **Products,** 3 cs., General Dyestuff Corp., Hamburg

COLORS—10 kgs., Irving Bank, Columbia Trust Co., Liverpool; 5 kgs., Equitable Trust Co., Liverpool; 10 cs., 3 cks., American Exchange Pacific National Bank, Genoa; 6 cs, Fidelity Trust Co., Genoa; 21 cks., Order, Genoa; 28 cs., M Grumbacher, Hamburg; 18 cks., Geigy Co., Inc., Hamburg; 3 cks., O Hommel & Co., Hamburg; 49 cks., General Dyestuff Corp., Rotterdam; 30 pgs., Ciba Co, Inc., Havre; 45 pgs., Sandoz Chemical Works, Havre; 28 pgs., Sandoz Chemical Works, Havre; 32 cks., General Dyestuff Corp, Rotterdam; 80 cans, Ciba Co., Inc., Havre; 10 bbls., Carbic Color & Chemical Co., Havre; 6 cks., General Dyestuff Corp., Hamburg; 9 bbls., 4 cs., A Hurst & Co., Hamburg; 5 bbls., National City Bank, Antwerp; 8 bbls., Bank of Manhattan Co., Antwerp; 7 bbls., Irving Bank Columbia Trust Co., Antwerp; 2 cks. Chemical National Bank, Antwerp; 2 cks., Fidelity Trust Co., Antwerp; 16 cs., B F Drakenfeld & Co., Antwerp; 3 kgs., Chemical National Bank, Liverpool; **Bronze,** 6 cs., Gallagher & Ascher, Hamburg; 30 cs., Baer Bros., Hamburg; 16 cs., Diamond Decorative Leaf Co., Antwerp; 16 cs., L Uhlfelder Co, Bremerhaven; 18 cs., J E Mandlik, Hamburg; 30 cs., Baer Bros., Hamburg; 5 bbls., 1 cse., Order, Hamburg, 19 cs., B F Drakenfeld & Co., Hamburg; 6 cs., Order, Hamburg; 8 cs., Gallagher & Ascher, Hamburg; 8 cs., Order, Hamburg; 6 bbls., American Express Co., Bremerhaven; **Coal Tar,** 42 cks., General Dyestuff Corp. Rotterdam; 87 cks., 30 cs., General Dyestuff Corp, Rotterdam; 28 pks, General Dyestuff Corp, Rotterdam; **Earth,** 19 cks., Reichard Coulston Inc., Hamburg; 40 cks., Fezandie & Sperrle, Bremen; 34 cks., J L Smith & Co, Bremen; 24 cks., Reichard Coulston Inc, Bremerhaven; 200 cks., I. Scott Libby Corp., Rotterdam; 50 cks., C J Osborn & Co., Rotterdam

COPRA—1,796 bgs., Franklin Baker Co., Kingston

CREOSOTE—75 demijohns, Order, Hamburg

DIMETHYLSULFATE—1 ck., Kuttroff Pickhardt & Co., Rotterdam

DICHLORETHYLENE—20 drs., Roessler & Hasslacher Chemical Co., Hamburg

DIVI DIVI—670 bgs., Eggers & Heinlein, Pampatar; 670 bgs., Suzarte & Whitney, Maracaibo; 1,312 bgs, Suzarte & Whitney, Curacao

EARTH—300 bgs., F Behrens Inc., Hamburg; 320 bgs., G Z Collins & Co., Bristol; 48 cks., Reichard Coulston Inc., Bristol; 72 cks., Order, Bristol

ETHYL CHLORIDE—15 cs., Hensel Bruckmann & Lorbacher, Hamburg

EXTRACTS—Archil Liquor, 3 cks., W Mohrmann Inc., London; **Logwood,** 14 bbls., Domingo Dyewood Corp., Monte Christi; 103 bgs., S B Penick & Co., Kingston; **Mangrove Bark,** 500 bgs., Order, Singapore; **Quebracho,** 1,904 bgs., Dominion Bank of Montreal, Buenos Aires; 8,200 bgs., International Products Co., Buenos Aires; 2,034 bgs, Order, Buenos Aires; 19,974 bgs., Tannin Corp., Santa Fe; 514 bgs., Tradesmen's National Bank, Buenos Aires; 1,080 bgs, Guaranty Trust Co, Buenos Aires; 3,978 bgs., Order, Buenos Aires

FERRO CHROME—89 cks., C Hardy Inc., Gothenberg

FULLERS EARTH—1,800 bgs., Order, Oran; 800 bgs, L A Salomon & Bros., London

GELATIN—18 bbls., H A Sinclair, Rotterdam; 60 cs., American Express Co., Rotterdam

GLUE—50 bgs., H Bierschenk & Co., Liverpool; 300 bgs., J Dick, Hamburg; 65 bls., Order Bordeaux; 50 bgs., N L Lederer, Rotterdam; 20 bgs., Order, Hamburg; 25 bls., Pfaltz & Bauer, Havre; 200 bgs., S Isaacs & Co., Havre; 36 bls., 6 cs., M Miller, Antwerp; 90 bgs., Gallagher & Ascher, Liverpool; 356 bgs., Order, Hamburg

GLYCERINE—10 drs, Lo Curto & Funk, Liverpool; 128 drs., Order, Liverpool; 60 drs., Order, Hamburg; 20 drs., Colgate & Co, Bordeaux; 47 drs., Order, Barcelona; 10 bbls, I A Sobin Co., Hamburg; 69 drs., Order, Antwerp; 32 drs., Lo Curto & Funk, Liverpool

GUMS—Arabic, 100 bgs., Barclays Bank, Port Sudan; 195 bgs., National Bank of Egypt, Port Sudan; 250 bgs., British Bank of South America, Port Sudan; **Copal,** 204 bgs., Irving Bank Columbia Trust Co., Antwerp; 93 bgs., Capital National Bank, Antwerp; 93 bgs., W Schall & Co., Antwerp, 37 bgs, Congo Products Co., Antwerp; 45 bgs., Order, Antwerp; 135 bkts., Grace National Bank, Macassar; 203 bkts., Kidder Peabody Acceptance Corp., Macassar; 68 bkts., Capitol National Bank, Macassar, 207 bkts., National City Bank, Macassar, 40 bkts., Oei Seeuwen & Co., Macassar; 87 bkts., Order, Macassar; 70 bgs., Standard Bank of South Africa, Singapore; 64 bgs., Order, Singapore; 12 bgs., L C Gillespie & Sons, London; 1,300 bgs., Brown Bros & Co., Antwerp; 100 bgs., Kidder Peabody Acceptance Corp, Antwerp; 305 bgs., Chem National Bank, Antwerp; 408 bgs., Order, Antwerp; **Damar,** 400 cs., National City Bk, Batavia; 100 cs., Bank of Manhattan Co., Batavia; 200 cs. Irving Bk., Columbia Tr Co., Batavia; 50 cs., Order, Batavia; 100 cs., National City Bank, Padang; 50 bgs., Brown Bros & Co., **Padang; 100 cs., Irving** Bank Columbia Trust Co., Padang; 200 cs., Standard Bank of South Africa. Padang. 128 bgs., Paterson Boardman & Knapp, Singapore; 140 cs., Standard Bank of South Africa, Singapore; **Hashab,** 100 bgs., Order, Port Sudan; **Kauri,** 217 bgs., Capitol National Bank, Auckland; 358 bgs., United National Bank, Auckland; **Talha,** 100 bgs., Order, Port Sudan

IRON—Sulfate, 20 cs., Mallinckrodt Chemical Works, Hamburg

IRON OXIDE—5 cks., 16 kgs., J H Rhodes & Co., Liverpool; 12 cks., E M & F Waldo Inc., Liverpool; 18 cks., J A McNulty, Liverpool; 45 cks., Reichard Coulston Inc., Liverpool; 220 bbls., C J Osborn Co., Malaga; 80 bbls., Smith Color & Chemical Co. Malaga; 40 bbls., A Kramer, Malaga; 10 cks., J L Smith & Co., Liverpool; 55 cks., Reichard Coulston Inc., Liverpool; 36 cks., J A McNulty, Liverpool

KAINIT—91,397 kilos, Potash Importing Corp of America, Hamburg

LEUNASALPETER—1,815 bgs., Kuttroff Pickhardt & Co., Rotterdam

LIME—Carbonate, 34 cks., The Goldschmidt Corp., Rotterdam; **Powder,** 150 bgs., Order, Hamburg

LITHOPONE—80 cks., C J Osborn & Co., Rotterdam; 600 cks., Benjamin Moore & Co., Rotterdam; 40 cs., E M & F Waldo, Antwerp

MAGNESITE—Calcined, 100 bbls., Innis Speiden & Co., Rotterdam

MAGNESIUM—Calcined, 65 cs., McKesson & Robbins, London; **Carbonate,** 20 cs., E & J Burke Ltd., Newcastle; 65 cs., McKesson & Robbins, London; **Chloride,** 736 drs., Order, Hamburg; 368 drs., Order, Hamburg; **Fluor,** 50 cks., Order, Hamburg

MANURE SALT—454,000 kilos, Potash Importing Corp of America, Hamburg

METANITROPARATOLUIDIN—2 cks., Grasselli Dyestuff Corp., Rotterdam

MINERAL WHITE—404 bgs., Whittaker Clark & Daniels Inc., Hull

MYROBALANS—2,600 peckets, Order, Calcutta 8,847 peckets, Standard Bank of South Africa, Calcutta; 2,074 peckets, Order, Calcutta

OCHRE—8 cks., F B Vandegrift & Co., Liverpool; 246 cks., Reichard Coulston Inc., Marseilles; 100 cks., J L Smith & Co., Marseilles

OILS—Cod, 50 cks., Bridgetts Co., St Johns; 82 cks., R Badcock & Co., St Johns; 125 cks., J D Irwin & Co., St Johns; 50 cks., Bowring & Co., St Johns; 250 cks., Order St Johns; 200 cks., Order, Aalesund; 300 bbls., R Badcock Inc., Hull; 50 bbls., Bowring & Co., St Johns; 282 cks., J D Irwin & Co., St Johns; **Codliver,** 26 bbls., Mead Johnson & Co., St Johns; 170 bbls., E R Squibb & Sons, St Johns; 325 bbls., E R Squibb & Sons, St Johns; 167 bbls., Mead Johnson & Co., St Johns; 150 bbls., National City Bank, Bergen; 50 bbls., Ozomulsion Co., Bergen; 100 bbls., Eli Lilly & Co., Bergen; 25 bbls., Harris Laboratories, Bergen; 690 bbls., Order, Bergen; 710 bbls., Order, Aalesund; **Cotton,** 1,160 bbls., Order, Hull; **Linseed,** 100 bbls., McDonagh & Sons, Rotterdam; **Olive,** 600 cs., 50 bbls., Order, Genoa; 900 cs., W A Taylor & Co., Barcelona; 500 bbls., 100 drs., Order, Malaga; 125 cs., Moschlades Bros., Seville; 100 cs., Salvati Olive Oil Co., Seville; 150 cs., Bowery & East River National Bank, Seville; 141 drs., 350 cs., Briones & Co., Inc., Seville; 100 bbls., Lionella Perera & Co., Seville; 230 cs., 340 drs., Order, Seville; 200 cs., Nicelle Olive Oil Co., Nice; **Palm,** 42 cks., Order, Hamburg; 82 cks., African & Eastern Trading Co., Hamburg; 101 cks., African & Eastern Trading Co., Hamburg; 308 bbls., National City Bank, Belawan; 412 tons, **Niger** Co., Hull; **Peanut,** 5 cks., Lamont Corliss & Co., Rotterdam; **Rape,** 70 bbls., J C Francesconi & Co., Hull; 150 bbls., Vacuum Oil Co., Hull; 75 bbls., Order, Hull; 12 drs., J C Francesconi & Co., Rotterdam; **Seal,** 304 tons, 60 bbls., 50 gals., 1 hhd., Bowring & Co., St Johns; **Sesame,** 100 drs., Order, Rotterdam; 200 drs., J C Francesconi & Co., Rotterdam; **Shark,** 1 bbl., Ocean Leather Co., Turks Island; **Soya,** 125 drs., J C Francesconi & Co., Hull; 716 tons, 10 cwt., Mitsubishi Shoji Kaisha, Dairen; **Sulphur,** 100 bbls., Phila Girard Bank, Bari; 200 bbls., Leghorn Trading Co., Bari; 80 bbls., Order, Bari; 100 bbls., Chem National Bank, Seville; 200 bbls., Leghorn Trading Co., Seville; **Wood,** 746 tons, Spencer Kellogg & Sons, Hankow

OXYCHLORIDE PHOSPHORUS—17 cks., Order, Hamburg

PHOSPHATE—1,000 bgs., T M Duche & Sons, Antwerp; **Triphenyl,** 9 drs., Order, Hamburg

PLUMBAGO—81 bbls., Order, Colombo

POTASSIUM SALTS—25 bbls., Roessler & Hasslacher Chemical Co., Hamburg; **Alum,** 150 bbls., Equitable Trust Co., Hamburg; 200 bbls., Order, Hamburg; **Carbonate,** 30 cks., Parsons & Petit, Hamburg; **Caustic,** 65 drs., The Goldschmidt Corp., Hamburg; **Chlorate,** 2,400 cks., Uniform Chemical Products Co., Hamburg; **Muriate,** 3,150 bgs., Societe Comm Des Potasses d'Alsace, Antwerp; 3,000 bags, 1 lot in bulk, Potash Importing Corp of America, Hamburg; 3,500 bgs., Potash Importing Corp. of America, Hamburg; **Nitrate,** 78 bbls., Order, Hamburg; 508 bgs., Kuttroff Pickhardt & Co., Hamburg; 500 bgs., G W Sheldon & Co., Bordeaux; 100 bgs., Order, Hamburg; **Perchlorate,** 270 bbls., W R Grace & Co., Tocopilla; **Prussiate,** 18 kgs., C Tennant Sons & Co., Liverpool; **Sulfate,** 12,600 bgs., Potash Importing Corp of America, Hamburg

PUMICE STONE—2,111 bgs., K J Griffiths & Co., Canneto Lipari; 1,200 bgs., Order, Canneto Lipari

PRECIPITATE—1,000 bgs., C H Powell & Co., Antwerp

ROSIN—79 cks., Eastman Kodak Co., Bordeaux; 460 cks., Order, Bordeaux; 500 cks., Gay Hammill & Co., Tampico; 10 cs., Order, Tampico

SAL AMMONIAC — 46 cks., A Klipstein & Co., Hamburg

SHELLAC—546 bgs., Brown Bros & Co., Calcutta; 3,191 bgs., 140 cs., Order, Calcutta; 300 bgs., Ralli Bros., Hamburg; 775 bgs., International Banking Corp., Calcutta; 110 bgs., British Bank of South America, Calcutta; 200 bgs., British Overseas Bank, Calcutta; 300 bgs., Standard Bank of South Africa, Calcutta; 500 bgs., Chase National Bank, Calcutta; 200 bgs., Bank of London & South America, Calcutta; 3,754 bgs., 39 cs., Order, Calcutta; 160 cs., C F Gerlach, Rotterdam; **Garnet Lac,** 50 bgs., Brown Bros & Co., Calcutta; 10 cs., Order, Hamburg; **Seed Lac,** 1,220 bgs., Order, Calcutta; 300 bgs., International Banking Corp., Calcutta; 400 bgs., British Bank of South America, Calcutta; 1,482 bgs., Order, Calcutta

SODIUM SALTS—Acetate Anhydrous, 96 drs., Grasselli Dyestuff Corp., Rotterdam; **Caustic,** 165 drs., Superfos Co., Hamberg; 250 drs., A Klipstein & Co., Hamburg; **Cyanure,** 560 cs., Anglo South American Trust Co., Havre; **Nitrate,** 308 bgs., R W Greeff & Co., Oslo; 1,016 bgs., Kuttroff Pickhardt & Co., Hamburg; 19,647 bgs., Wessel Duval & Co., Antofagasta; 6,632 bgs., A Gibos & Co., Iquique; 6,735 bgs., Anglo South American Trust Co., Iquique; 22,336 bgs., Wessel Duval & Co., Iquique; 6,502 bgs., Wessel Duval & Co., Antofagasta; 12,975 bgs., W R Grace & Co. Iquique; **Peroxide,** 20 cs., Order, Havre; **Phosphate,** 98 cks., F Rudloff, Rotterdam; **Sulfate,** 150 bbls., Van Doorn, Rotterdam

SUMAC—210 bgs., Order, Palermo

TALC—200 bgs., Kountze Bros..., Genoa; 500 bgs., Coty Inc., Genoa; 900 bgs., Whittaker Clark & Daniels, Bordeaux; 1,500 bgs., L A Salomon & Bros., Bordeaux

TAPIOCA—398 bgs., National City Bank, Sourabaya; **Flour,** 1,000 bgs., National Bk of Commerce, Batavia; 3,096 bgs., National City Bank, Sourabaya; **Pearl,** 646 bgs., National City Bank, Sourabaya

TARTAR—740 bgs., C Pfizer & Co., Marseilles; 1,044 bgs., Royal Baking Powder Co., Marseilles; 195 bgs., C Pfizer & Co., Marseilles; 458 bgs., Royal Baking Powder Co., Marseilles

THORIUM & CERIUM NITRATE—5 cs., Pfaltz & Bauer, Hamburg

THYMOL—3 cs., Order, Hamburg; **Acetate,** 10 cs., G Lueders & Co., Hamburg

TRICHLORATHYLENE—1 case, Roessler & Hasslacher Chemical Co., Hamburg

VALONIA—1,392 bgs., Order, Smyrna

WAX—50 bgs., Order, London; 14 bgs., Selma Mercantile Corp., Azua; 12 bgs., J J Julia & Co., Azua; 17 bgs., J J Julia & Co., Barahona; 23 bgs., J J Julia & Co., Santo Domingo; 17 pgs., W Schall & Co., Puerto Plata; 23 seroons, J J Julia & Co., Monte Christi; 60 bgs., Schliemanns Co., Hamburg; 40 cks., Orbis Products Trading Co., Havre; 51 bgs., J Prom Succ., Tampico; **Bees,** 99 blocks, J H Schroeder Banking Corp., Aden; 26 cs., Order, Hamburg; 48 bgs., Selma Mercantile Corp., Puerto Plata; 28 bgs., Mecke & Co., Puerto Plata; 40 cs., Chemical National Bank, Havre; 33 blocks, Order, Aden; 3 pgs., National Bk of Commerce, Alexandria; 30 bgs., W R Grace & Co., Valparaiso; **Carnauba,** 18 bgs., Platt & Brake Corp., Bahia; 206 bgs., Order, Bahia; 120 bgs., Fidelity Trust Co., Ceara; 112 bgs., Platt & Brake Corp., Ceara; 251 bgs., Order, Ceara; **Montan,** 700 bgs., Strohmeyer & Arpe Co., Hamburg

WOODFLOUR—502 bgs., A Kramer & Co., Rotterdam; 678 bgs., Innis Speiden & Co., Gothenberg

WOOL GREASE—100 cks., Pfaltz & Bauer, Hamburg; 50 bbls., Order, Hamburg; 125 bbls., 203 cs., 25 cks., Pfaltz & Bauer, Bremen

ZINC—Salt, 31 cks., A Klipstein & Co., Antwerp

IMPORTS AT PHILADELPHIA

Sept. 8 to 15

ACID—Cresylic, 25 drms., Order, Liverpool

AMMONIA—Muriate, 20 csks., Order, Rotterdam; 254 csks., Order, Rotterdam

BARYTES—1,400,000 kilos, Order, Rotterdam

BONES—462 bgs., Hafleigh & Co., Manchester

CHALK—600 bgs., Chatham-Phenix Nat Bank & Trust Co., Antwerp; **Block,** 500 tons, Brown Bros & Co., London

CHEMICAL PULP—Dry, 400 bls., Irving Bank, Columbia Trust Co., Oslo; 300 bls., Perkins, Goodwin & Co., Oslo; 300 bls., Borregaard Co. Inc., Oslo; 1,400 bls., Chem Nat Bank, Oslo

CHEMICALS—127 bgs., Order, Rotterdam

CEMENT—Magnesia, 550 bags, Brown Bros & Co., Liverpool

CLAY—150 tons, J W Hampton, Jr & Co., Bristol; 650 tons, Moore & Munger, Bristol; **Ball,** 1,458 tons, 15 cwt., Various consignees, Fowey; **Blue,** 200 tons, Various consignees, Fowey; 100 tons, Joshua Poole, London; **China,** 5,844 tons, 3 cwt., Various consignees Fowey; **Ground,** 108 tons, 1 cwt., consignees, Fowey

ETHYLENE DIBROMIDE—6 drms., Order, Rotterdam

FLUORIDE—Sodium Silica, 80 csks., Order, Copenhagen; 500 bgs., Order, Copenhagen

FLUORSPAR—569,240 lbs., Standard Bank of South Africa, Ltd., Durban; **Gravel,** 135 tons, 18 cwt., W R Grace & Co., Manchester; **Washed,** 90 tons, 7 cwt., Irving Bank, Columbia Trust Co., Manchester; 79 tons, 7 cwt., Irving Bank, Columbia Trust Co., Manchester

GLYCERIN—20 drms., Order, Antwerp; 240 drms., Order, Rotterdam; 31 csks., Order, Havre; **Crude,** 30 drms., Order, Antwerp; 106 drms., Order, Liverpool; **Dynamite,** 150 csks., Hercules Powder Co., Rotterdam, **Soaplye,** 98 drms., Order, Liverpool

LEAD—Nitrate, 20 csks., Order, Liverpool

LIME—Chlorinated, 35 csks., Order, Liverpool

MOLASSES—150,000 gals., North Amer Trading & Import Co., Vita; 407,715 gals., North American Trading & Import Co., Havana; **Blackstrap,** 1,051,101 gals, North American Trading & Import Co., Havana; 913,755 gals., North American Trading & Import Co., Cienfuegos

OIL—Olive, 165 cs., Order, Genoa

ORE—Chrome, 487 tons, 17 cwt., 1 qtr., 19 lbs., Order, Delagoa Bay; 259,850 lbs., Order, Durban; 1,400 tons, Phila-Girard Nat Bank, Volo; 350 tons, Order, Volo; 940 tons, Order, Aghia Marena

SHELLAC—25 bgs., Order, Calcutta

SULFIDE—Sodium, 168 drms., E H Bailey & Co., London

SULFUR—Precipitated, 16 csks., E H Bailey & Co., London

WHITING—600 bgs., Order, Havre

WOODPULP—Dry Bleached, 300 bls., J Anderson & Co., Inc., Sarpsborg

Sept. 15 to 22

ACID—Coal Tar Distillate, 20 drms., Acid Ref Co., Liverpool

AMMONIA—Muriate, 254 csks., Order, Rotterdam

BARYTES—1,045,746 kilos, Order, Rotterdam

BONES—294 bgs., Order, Liverpool; **Cuttle Fish,** 15 bdls., Order, Bordeaux

CASEIN—67 cs., Kind & Knox, Hamburg

CHEMICALS—80 balloons, Roessler & Hasslacher Chemical Co., Rotterdam; 25 csks., Order, Bremen; 37 bbls., Order, Rotterdam

CLAY—165 tons, Moore & Munger, Bristol; 200 tons, Order, Bristol; **China,** 134 bgs., C T Wilson & Co., Inc., Bristol

COCONUT—Desiccated, 250 pkgs., Order, Colombo

CRYSTALS—Chloride, 8 drms., Order, Middlesboro

DAMAR—75 cs., National City Bank, Batavia; **Gum,** 75 bgs., Guaranty Trust Co., Batavia

FERTILIZER—Glue, 11 bgs., Order, Hamburg

FLOUR—Tapioca, 1,011 bgs., Tradesmens Nat Bank, Batavia; 1,500 bgs., Perkins Glue Co., Batavia; 950 bgs., Order, Batavia

FLUORSPAR—253 tons, gravel, Order, Middlesboro; 249,798 kilos, Order, Bremen

GARNETLAC—250 bgs., Brown Bros & Co., Calcutta

GLYCERINE—30 csks., Order, Rotterdam; 40 drms., Order, St Nazaire; 10 drms., Order, St Nazaire; **Crude,** 20 drms., Order, Rotterdam; 175 drms., Order, Rotterdam

GUANO—Whale Meat, 1,675 bgs., Order, Cape Town

LIME—Sulfate, 60 csks., Order, Bordeaux

LOGWOOD & LOGWOOD ROOTS—1,600 tons, Am Dyewood Co., Cape Haytein Gonaives

MAGNESITE—108 bbls., Brown Bros & Co., Rotterdam

MYROBALANS—6,000 bgs., Standard Bank of So America, Ltd., Bombay; 675 bgs., Order, Bombay

OIL—Cod, 100 bbls., Order, Hull; **Kernel,** 32 csks., Order, Hull; **Lubricating, min.** 60 drms., Order, Hamburg; **Olive,** 5 bbls., Morris Friedman, Messina; **Palm,** 40 csks., W & A Leaman, Lagos Nigeria; 41 csks, Order, Grand Bassam; 60 csks., African & Eastern Trading Co., Inc., Hamburg; 338 csks., W & A Leaman, Rotterdam

ORE—Iron, 5,525 tons, Order, Benisaf; **Chrome** 3,000 tons, E J Lavino & Co., Beira; **Manganese, Fine,** 8,971,592 lbs., E J Lavino &

Co., Secondee; **Lump,** 2,256,100 lbs., E J Lavino & Co., Secondee; **Pyrites,** 6,661,140 kilos, The Pyrites Co., Huelva
POTASH—10 csks., E H Bailey & Co., Hamburg; **Bisulfite,** 100 kgs., E H Bailey & Co., Hamburg; **Carbonate,** 29 csks., Bank of America, Bremen; **Caustic,** 250 cs., Franklin-Fourth St Nat Bank, Hamburg
SEED—Clover, 5 bgs., Spreckels-Grasc, Inc., Hamburg
TALC—437 bgs., Order, Bordeaux
TARTAR—128 bgs., Order, Bordeaux
THEOBROMINE—1 case., E H Bailey & Co., Hamburg
WITHERITE—56 tons, lump; Foote Mineral Co., Middlesboro; 45 tons, washed, Foote Mineral Co., Middlesborough

IMPORTS AT BALTIMORE

Sept. 10 to 16

DRUGS—31 bags, 7,293 lbs., F H Shallus, Lorain, Hamburg; 21 bags, 2,310 lbs., Order, Lorain, Hamburg
GELATIN—60 bales, 9,240 lbs., Levy & Son, Inc., Marseilles
GLYCERIN—28 drums, 35,193 lbs., Baltimore Tr Co., Passat, Hamburg
MOLASSES—1,000,000 gals, Cuba Distilling Co., Mathanxas
OIL—Cod Liver, 8 bbls., 3,095 lbs., B & O R R, Hamburg; 24 cases, 2,211 lbs., B & O R R, Hamburg. **Lemon,** 50 boxes, 2,090 lbs., Order, Palermo; **Olive,** 120 csks., 54,659 lbs., Pompeian-Romanzo Co., Marseilles
SEED—Coriander, 375 bags, Order, Casablanca
TALC—Unground, 62 bbls., F H Shallus, Leghorn
WOOL GREASE—100 bbls., American Tr Co., Bremen; 100 bbls., Amer Exch Pacific Bk., Antwerp

Sept. 10 to 16

AMMONIA—Phosphate, 8 casks, 4,816 lbs., Nanaham Chemical Co., Westerner, Antwerp
BONE—Flour, 1,783 bags, 223,588 lbs., Frank & Son, Westerner, Antwerp; **Meal,** 300 bgs 38,960 lbs., John S Connor, Lorain, Hamburg; 592 bags, 99,763 lbs., F H Shallus Co., Lorain, Hamburg
CLAY—Fire, 500 bags, 55,000 lbs., Baltimore & Ohio railroad, Maukegan, Havre
EARTH COLOR—5 casks, 2,961 lbs., E M & F Waldo, Inc., Passat, Hamburg
FLUOR SPAR—310 tons, W B Grace & Co., Anacortes, Mancheste r; 511,038 lbs., Bethlehem Steel Corp., Passat, Hamburg
FULLER'S EARTH—300 bgs., L A Salomon & Bro., Napierian Liverpool
GELATIN—60 bales, 9,240 lbs., Levy & Sons, Inc., Sangamon, Marseilles
GLYCERIN—28 drums, 35,193 lbs., Baltimore Trust Co., Passat, Hamburg
KRYOLITH—150 bags, 35,495 lbs., Jungmann & Co., New York, Passat, Hamburg
MAGNESITE—Dead Burned, 3,515 bags, 704,561 lbs., C Tennant Sons & Co., New York, Passat, Hamburg
MOLASSES—1,600 000 gals., Cuba Distilling Company, Vaba, Mathanxas
OIL—Cod Liver, 8 bbls., 3,295 lbs., Baltimore & Ohio railroad, Passat, Hamburg; 24 cs., 2,211 lbs. Baltimore & Ohio Railroad, Passat, Hamburg; **Olive,** 120 casks, 54,659 lbs., Pompeian-Romanza Co., Sangamon, Marseilles
ORE—Chrome, 500 tons, John S Connor, Corvus, Beira; 500 tons, General Refractories Co., Corvus, Beira; **Iron,** 11,000 tons, Bethlehem Steel Corp., Santore, Daiquiri; 26,000 tons, Bethlehem Steel Corp., Amerikaland, Cruz Grande; 6,685 tons, Bethlehem Steel Corp., Ansaldo, San Giorgio, Honaine
PEBBLES—584 bags, 72,622 lbs., Buebendorf Bros., New York, Maukegan, Havre
POTASH—118 casks, 96,880 lbs., F H Shallus Co., Lorain, Hamburg; 170,502 lbs., Potash Importing Corp., Passat, Hamburg; 77 csks., 59,886 lbs., F H Shallus Co., Passat, Hamburg
MANURE SALT—20%, 1,914,000 lbs., Potash Importing Corp., Passat, Hamburg; 30%, 1,300,195 lbs. Potash Impoting Corp., Passat, Hamburg
MURIATE—100,474 lbs., Potash Importing Corp., Passat Hamburg; 16,250 bgs., 3,265,405 lbs., Potash Importing Corp., Passat, Hamburg; 2,000 bags, 401,896 lbs., Potash Importing Corp., Passat, Hamburg
NITRATE—Powdered, 100 casks, 60,269 lbs., F H Shallus Co., Passat, Hamburg
SULPHATE—1,000 bags, 200,948 lbs., Potash Importing Corp., Passat, Hamburg
SILVERESKI—White, 2 casks, 6,721 lbs., Ed C Geyer & Co., Westerner, Rotterdam
TALC—Unground, 62 bbls., 36,089 lbs., F H Shallus Co., Sangamon, Leghorn
WHITING—500 bags, 55,000 lbs., Bullock & Sons, New York, Waukegan, Havre
WOOL GREASE—100 bbls., 43,943 lbs., American Trust Co., Lorain, Bremen; 100 bbls., 46,961 lbs., American Exchange Pacific National Bank, Westerner, Antwerp

Sept. 16 to 23

CLAY—350 casks, F H Shallus Co., Alda, Bremen
FERROPHOSPHOR—323 cases, 161,159 lbs., William N Muller & Co., New York, Liberty, Havre; 468 cases, 266,110 lbs., F H Shallus Co., Liberty, Havre
FLUOR SPAR—1,463,000 lbs., F H Shallus Co., Alda, Bremen; 499 tons, F H Shallus Co., Quaker City, Middlesborough
LIME STONE—4,500 tons, Bethlehem Steel Company, Bernardmore, Felton
OIL—Olive, 50 cases, 5,584 lbs., F H Shallus Co., Corson, Leghorn; **Rape,** 10 bbls, 4,407 lbs., Samuel Shapiro & Co., Quaker City, Hull; **Refined Vegetable,** 125 bbls., 58,537 lbs., Glidden Food Products Co., Quaker City, Hull
ORE—Chrome, 5,100 tons, W R Grace & Co., Nila, Madras; 4,500 tons, Bethlehem Steel Corp., Bernardmore, Felton; **Iron,** 11,000 tons Bethlehem Steel Corp., Cubore, Daiquiri; 12,000 tons, Bethlehem Steel Corp., Feltore, Daiquiri; 20,000 tons, Bethlehem Steel Corp., Scaland, Cruz Grande; **Manganese,** 5,400 tons, Bethelehem Steel Corp., Rio de Janeiro; 6,400 tons, United States Steel Product Co., Devenby Hall, Rio de Janeiro
SODIUM—Nitrate, 205 bags, R W Greeff & Co., Florida, Oslo; 308 bags, F H Shallus Co., Florida, Oslo

IMPORTS AT BOSTON

Sept. 4 to 11

ACID—Formic, 95 gallons, R & H Chemical Co., Antwerp; **Oxalic,** 32 csks., R & H Chem Co., Antwerp
BUTTONLAC—49 cs. Rogers Pyatt Shellac Co., Calcutta
CASEIN—1,334 bgs., First National Bank, Buenos Aires
CHALK—300 tons, Order, London; 500 bgs., Wishnick Tumpeer Chem. Co., Antwerp; 463 bags, G L Whitemore, Inc., Antwerp; 300 bags, E L Bullock & Sons, Antwerp; 500 bags, J H Nicholas & Co., Antwerp
COLOR—Aniline, 22 csks., Dyestuffs Corp of America, Glasgow
DEXTRINE—100 bags, Stein Hall & Co., Copenhagen
FULLERS EARTH—600 bgs., L A Salomon & Bro., London
IRON—Oxide, 31 csks., Wishnick Tumpeer Chem Co., Liverpool
OIL—Cod, 32 bbls., Marden Wild Corp., Yarmouth
OSSFINE—1,020 bags, Kidder Peabody, Antwerp; 1,272 bags, Order, Antwerp
POTASH—15 csks., I M Sobin Co., Antwerp
SHELLAC—13 bags, Rogers Pyatt Shellac Co, Co., Calcutta; 75 cs., Rogers Pyatt Shellac Co, Calcutta
SOADINE—12 csks., J P Marston & Co., Liverpool
STICKLAC—27 bgs., Order, London
TRAGASOL—10 pkgs., J P Marston Co., Liverpool
WOOLGREASE—5 pkgs., Stone & Downer Co., Liverpool; 60 bbls., National Shawmut Bank, Liverpool
ZINC OXIDE—75 bbls., Philipp Bros., Antwerp

Sept. 11 to 18

ACID—Lactic, 10 bbls., Order, Rotterdam
CASEIN—334 bags, First National Bank, Buenos Aires
DEXTRINE—25 kegs, Borden & Remington, Liverpool
EXTRACT—Quebracho. 1,010 bags, Shawmut Bank, Buenos Aires
IRON—Oxide, 15 csks., Jos H McNulty, Liverpool
OIL—Cod, 42 csks., Marden Wild Corp., Halifax; 70 csks., J S Bent & Co., Halifax; **Cod Liver,** 25 bbls, C W Geiler, Bremen; 20 bbls., Eastern Drug Co., Rotterdam; 100 bbls., Bremen & Co., Rotterdam; 120 bbls., United Drug Co., Rotterdam; **Sod,** 60 csks., Wm Litchfield, Liverpool
SHELLAC—30 chsts., Rogers Pyatt Shellac Co., Calcutta
SOADINE—10 csks., J P Marston Co., Liverpool
SULPHIDE—Sodium. 31 dms., A Klipstein Co., Rotterdam
SULPHATE—30 dms., Seaboard National Bk, Rotterdam
SUMAC—Ground, 490 bags, Order, Palermo

IMPORTS AT NEW ORLEANS

Sept 10 to 17

BAUXITE—2,390 tons, Republic Mining Co., Georgetown
BENZINE—7,772 tons, New Orleans Refining Co., Curacao
CREOSOTE—4,000 tons, Bernuth Lendeck Co., Amsterdam
CEMENT—1,100 sacks, Order, Havre
MOLASSES—1,360,000 gallons, Leon Pfetfer Jucaro
NAPHTHOLINE—300 sacks, Order, Tampico
OIL—Olive, 40 cases, Order, Tampico
POTASH MURIATE—900 bags, Order, Antwerp
SODA NITRATE—55,494 bgs., E I DuPont de Nemours, Antofagasta; 59,073 bgs., Wessel, Duval & Co., Antofagasta

Sept. 17 to 24

BAUXITE—2,570 tons, Republic Mining Co., Georgetown
BENZINE—7,372 tons, New Orleans Refining Co., Curacoa
CEMENT—22,327 bgs., Order, Havre
GUM—Chicle, 509 bales, I C R R, Progresso
MOLASSES—1,360,000 Leon Pfeiffer, Havana; 1,543,135 gallons, Kentucky Alcohol Co., Cienfuegos
OIL—Olive, 45 cs., Order, Genoa
SPIEGELEISEN—265 tons, Order, Liverpool
SODIUM—Cyanide, 300 cs., Order, Hamburg

IMPORTS AT SAN FRANCISCO

Sept. 4 to 11

BONE MEAL—7,821 bgs., Commercial Bank of South America, Buenos Aires
CAMPHOR—20 cases, Mitsui & Co., Kobe
CHEMICALS—50 drums, Order, Rotterdam; 1 csk., Order, London; 187 drums, Italian American Bank, Hamburg 208 casks, Braun, Knecht, Hermann Co., Hamburg
DRIED BLOOD—3,090 bgs., Commercial Bk., of South America, Buenos Aires; 1,109 bgs., H J Baker & Bro., Buenos Aires
FISH SCRAP—1,914 bgs., H J Baker & Bro., Buenos Aires
GLUE BONES—508,850 lbs., Pacific Bone & Fertilizer Co., Rosario; 634,770 lbs., Order, Buenos Aires
GRAPHITE—375 bags, Mitsui & Co., Kobe
LINSEED—1,630 bgs., Louis Dreyfus & Co., Rosario; 336 bgs., Order, Buenos Aires
OIL—Cod Liver 100 bbls., Order, Antwerp
POTASH—25 drums, Order, Hamburg
TANKAGE—2,204 bags, Order, Montevideo, 5,822 bgs., Willits & Co., Buenos Aires; 323 bags, Order, Buenos Aires
WHALE MANURE—2,659 bags, Willits & Co., Buenos Aires

Sept. 11 to 18

ACID—20 drums, Order, Manchester
ANTIMONY—Regulus, 150 cases, Order, Hankow
BONE MEAL—895 bgs., Order, Montevideo
COPRA—1,056 bgs., American Trading & Commercial Co., Papeete; 16,157 bgs., Order, Papeete; 34 bgs., Pacific Cocoanut Co., Raratonga; 2,954 bgs., Williams, Dimond & Co., Papeete
DRIED BLOOD—1,516 bgs., Order, Montevideo
EXTRACT—Quebracho, 6,150 bgs., International Products Corp., Buenos Aires; 629 bgs., The Tannin Corp., Buenos Aires
GLUE BONES—1,300,000 lbs., Pacific Bone Coal & Fertilizer Co., Buenos Aires; 278 bgs., Order, Buenos Aires
GLYCERIN—17 drums, S L Jones & Co., Manila
LINSEED—1,816 bags, Order, Buenos Aires
OIL—Sesame. 135 bbls., S L Jones & Co., Hankow; **Wood,** 300 tons, Hind, Rolph & Co., Hankow
PARAFFIN WAX—1,840 bgs., Shell Company, Balikpappan
PITCH—500 bgs. Peet Bros, Manzanillo
TANKAGE—1,368 bgs., Order, Buenos Aires, 1,392 bgs., Western Meat Co., Buenos Aires; 1,619 bgs., Western Meat Co., Montevideo

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Official Gazettes are published weekly by all the patent offices named above and contain selected claims.

Application date is given with each patent.

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1,598,601—Dealcoholization of Beverages. Charles H. Casper, Philadelphia. April 27, 1920.

1,598,618—Oil Cracking Apparatus. Carl M. Page, assignor, George Fabyan, Geneva, Ill. March 22, 1922.

1,598,636—Fibrous Composition of Matter. Francis A. Bartlett, Stamford, Conn. June 22, 1920.

1,598,638—Fertilizer. Joseph M. Braham and Franklin E. Allison, Washington. Dec. 6, 1923.

1,598,644—Gas Cleaning Apparatus. Oscar V. Greene, Cleveland. Oct. 7, 1921.

1,598,660—Drier. Henry Sieben, Kansas City, Mo. Nov. 16, 1925.

1,598,664—Cleaning Compositions. Joseph Le Verne Teach, Chicago. July 5, 1924.

1,598,670—Chemical Process. Anson G. Betts, Kinderhook, N. Y. Jan. 9, 1922.

1,598,688—Liquid Coating Composition. Gustavus A. New, assignor, L. S. & N. Corp., New York. April 15, 1922.

1,598,697—Borax and Boric Acid Compositions for prevention of decay of fruit. William R. Barger and Lon A. Hawkins, Washington, assignors to the People of the U. S. Jan. 25, 1926.

1,598,699—Sap Staining and Molding Prevention Composition. Ernest Bateman and Ernest Everett Hubert, Madison, Wis., assignors to the Citizens of the U. S. May 23, 1924.

1,598,702—Pulverizing Machine. John E. Bell, Brooklyn, and William J. A. London, assignors, International Combustion Engineering Corp. Jan. 2, 1924.

1,598,707—Making Hydrocyanic Acid. Goong Bredig and Egon Elod, Karlsruhe, assignors, Rudolph Koepp & Co., Oestrich-on-the-Rhine, Germany. Jan. 28, 1924.

1,598,787—Carbonating Apparatus. Patrick W. Shields, and Louis de Markus, Montrose, Pa., assignors, McKenna Brass & Mfg. Co., Inc., Pittsburgh. Sept. 1, 1922.

1,598,805—Oil Cracking Apparatus. Leftus B. Cuddy, Bayhead, N. J. Nov. 10, 1919.

1,598,831—Recovering Values from Oil Shales. Milon J. Trumble, Los Angeles. May 15, 1922.

1,598,858—Treating Liquids with Gases, Apparatus. William E. Greenawalt, Denver. April 2, 1926.

1,598,933—Pulverizing Mill. Alexander Mahaffey Read, Columbus, O. Dec. 31, 1919.

1,598,935—Producing Chemically Pure Sodium Chloride from Natural Brines, Process. Clinton S. Robinson, Chicago, assignor, Mulkey Salt Co., Detroit. Jan. 29, 1925.

1,598,949—Reducing Viscosity of Nitrocellulose, Process. William R. Webb, assignor, Eastman Kodak Co., Rochester, N. Y. Feb. 11, 1925.

1,598,972—Reducing Viscosity of Nitrocellulose, Process. Victor E. Kimmel, assignor, Eastman Kodak Co., Rochester. Feb. 25, 1925.

1,598,973—Treating Oils. George Kolsky, Jersey City. Nov. 27, 1925.

1,598,982—Compounds of Copper as Fungicides. Charles Abbot Newhall, Seattle. Oct. 31, 1923.

1,599,006—Foam for Fire Prevention. Louis Burgess, Jersey City, assignor, Standard Development Co. Nov. 21, 1924.

1,599,027—Treating Corrosive Gaseous Fumes. Apparatus. Mitar M. Medigovich, Bisbee, Ariz. May 2, 1924.

1,599,072—Uniform Revivification of Activated Carbon, Process. Victor S. Allien, assignor, Darco Sales Corp., New York. July 16, 1924.

1,599,100—Pyrogenetic Manufacture of Gasoline, Improvement in. Francis M. Rogers and Max G. Paulus, Whiting, Ind., assignors, Standard Oil Co., Chicago. July 21, 1919.

1,599,108—Bromine Process. Robert E. Wilson, Chicago, Ill., assignor, Standard Oil Co., Whiting, Ind. Nov. 24, 1924.

1,599,119—Ethyl Sulphate and rapid fixation of ethylene by sulphuric acid. Augustin Amedee Louis Joseph Damiens. Sevres, Marie Charles Joseph Elysee de Loisy, Paris, and Olivier Joseph Gislain, Piette, Brussels. April 13, 1922.

1,599,121—Depolarizing Agent for Voltaic Battery. Thomas A. Edison, assignor, Thomas A. Edison, Inc., West Orange, N. J. Jan. 5, 1921.

1,599,135—Improving Properties of Wood by sulphur impregnation. William Hoffman Kobbe. New York, assignor, Texas Gulf Sulphur Co., Bay City, Tex. Nov. 24, 1925.

1,599,163—Separating Accumulated Water from Collecting Turpentine Gum, Process. John W. Buchanan, Folkston, Ga. Oct. 30, 1923.

1,599,185—Recovery of Alcohol, Organic Acids and Fertilizer from fermented saccharine materials. Gustave T. Reich, Anaheim, Calif. June 15, 1925.

1,599,198—Fertilizer. George Barsky, assignor, American Cyanamid Co., New York. July 28, 1923.

1,599,212—Cyanide Product and process. Kenneth F. Cooper. Great Neck, N. Y., assignor, American Cyanamid Co., New York. May 29, 1923.

1,599,216—Formation of Blocks of Terra Cotta. Richard F. Dalton, New Rochelle, N. Y. Nov. 24, 1922.

1,599,226—Fertilizer Corrective. Frederick W. Freise, Palmyra, N. J., assignor, American Cyanamid Co., New York. July 23, 1923.

1,599,228—Exothermic Catalytic Reactions, Process and apparatus. Harry D. Gibbs, Penns Grove, N. J., assignor, E. I. duPont de Nemours & Co., Wilmington, Del. July 27, 1920.

1,599,230—Threads, Filaments, Etc., from cellulose ethers. Walter Hamis Glover, assignor, Courtaulds Ltd. London. Nov. 17, 1924.

1,599,233—Threads, Filaments, Etc., from cellulose ethers. Horace James Hegan, Coventry, assignor, Courtaulds, Ltd., London. Jan. 13, 1925.

1,599,253—Artificial Construction Material, Apparatus and process. Max Skolnik, Minneapolis, Minn. assignor, Patented Products Corp., Gary, Ind. Sept. 11, 1925.

1,599,282—Manufacture of Rubber. Chauncey C. Loomis, Yonkers and Horace E. Stump, Brooklyn, assignors, by mesne assignments, The Heven Corp. April 30, 1923.

1,599,358—Removing Hair from Green Hides. Max Bergmann, Eugen Immendoerfer and Alice Immendoerfer, Dresden. Sept. 13, 1924.

1,599,360—Separating Petroleum Sludges, Method and apparatus. Ingenuin Hechenbleikner and Thomas C. Oliver, Charlotte, N. C. Mar. 16, 1923.

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1,599,444—New Derivatives of Naphthoquinone. Andre Wahl, Enghein and Robert Lantz, Paris, assignors, Societe Anonyme des Matieres Colorantes et Produits Chimiques de Saint Denis, Paris. Dec. 21, 1922.

1,599,462—Sugar Making Process. Eduard Faerber, Heidelberg, Germany, assignor, The International Sugar and Alcohol Co. London. June 15, 1925.

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1,599,488-490—Sulphite Cook Liquors, High Alpha Cellulose Fiber and Recovery of Sulphur Dioxide from Blow Pit Gases. George A. Richter and Milton O. Schur and Wallace B. Van Arsdel, assignors, Brown Co., Berlin, N. H. July 19, 1922. April 9, 1925 and April 22, 1925.

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1,599,569—Cellulose Ester Solvents and Compositions. Leon Lilienfeld, Vienna, Austria. Jan. 8, 1923.

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1,599,618—Making Metallic Phosphides. William Koehler, Cleveland. Feb. 28, 1923.

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1,599,625—Oil Hydrogenating Apparatus. Edward L. Anderson, assignor one fourth, Edward F. Therieaux, Long Beach, Calif. March 26, 1923.

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1,599,701—Electrolytic Apparatus. Herbert P. Ewell, Tacoma. Oct. 19, 1925.

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1,599,777—Oil Treating Process. Ernest O. Linton, Indiana Harbor, Ind., assignor, Linton Gasoline Process Co., Chicago. Dec. 8, 1920.

1,599,797—Uniformly Drying or Processing Materials, Apparatus. Alfred E. Stacey Jr., Essex Falls, assignor, Carrier Engineering Corp. Newark, N. J., Aug. 12, 1924.

1,599,800—Insecticidal Compositions. Julian S. Cohen and Allan B. Leerburger, New York, assignors, Interstate Chemical Co., Jersey City, N. J. Nov. 15, 1924.

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1,599,851—Fly Exterminator. Fred D. Terry, Pasadena, Calif., assignor, by mesne assignments. Morgan & Co., Hermon, N. Y. April 23 1923.

1,599,854—Manufacture of Lubricants. Morris C. Van Gundy, Houston, and Joseph R. Swanlin, Port Arthur, Tex., assignors, The Texas Co., New York. Sept. 21, 1923.

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1,599,963—Lubricating Compound. Thomas S. Hamilton, Los Angeles. Aug. 8, 1925.

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1,600,047—Molded or Pressed Goods from Fibrous Materials. Frederick Kaye, Ashton-on-Mersey, England. Sept 4, 1922.

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1,600,113—Resinifying Aliphatic Aldehydes. Willy O. Herrmann and Hans Deutsch, Munich, assignors, Consortium fuer Elektrochemische Industrie G. m b. H. Munich, Germany. Oct. 16, 1922.

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253,114—Drying Agent for Gases. Deutsche Gasgluehlicht Auer Gesellschaft, Berlin. June 1, 1926.

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253,163—Chlorinated Benzanthrone Derivatives. British Alizarine Co., Ltd., J. Anderson and W. H. Dawson, Manchester. Feb. 10, 1925.

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253,286—Viscosimeters. F. Rowett, Gillingham, Kent, England. April 14, 1925.

253,291—Manures. E. L. Pease, Darlington, England. April 16, 1925.

253,305—Calcining Carbonates. A. Apold, Vienna and H. Fleissner, Leoben, Styria, Austria. Dec. 18, 1924.

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253,344—Sulphuric Acid. Metallbank und Metallurgische Gesellschaft A. G., Frankfort, Germany. May 21, 1925.

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253,356—Pneumatic Solid Separating Machine. L. M. Fraser, Romford, Essex, England. June 8, 1925.

253,368—Naphthylene Dioxide Derivatives. J. Inouye, Miyagiken, Japan. June 30, 1925.

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253,377—Polyazo Dyes. Chemische Fabrik Griesheim-Elektron, Offenbach-on-Main, Germany. July 20, 1925.

253,386—Anthraquibone Derivatives. Badische Anilin & Soda Fabrik, Ludwigshafen, Germany. Aug. 12, 1925.

253,436—Distilling Hydrocarbons. G. E. Heyle, Westminster. Dec. 15, 1925.

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253,477—Making Filaments from Cellulose Xanthate. Naamlooze Vennootschap Nederlandsche Kunstzijdefabriek, Arnheim, Holland, assignors, British Enka Artificial Silk Co., London. Dec. 3, 1925.

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253,507—Extracting Mineral and Tar Oils. A. J. Kling and J. M. F. D. Florentin, Paris. May 26, 1926.

253,519—Resinous Compositions. H. C. P. Weber, Philadelphia, assignor, Metropolitan-Vickers Electrical Co., Ltd., Westminster. June 7, 1926.

253,520—Alkali Metal Oxides. Deutsche Gold & Silber Scheideanstalt vorm. Roessler, Frankfurt, Germany, assignor, Roessler & Hasslacher Chemical Co., New York City. June 7, 1926.

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253,542—Bornyl Esters. L. and E. Darrasse, and L. Dupont, Vincennes, Seine, France. June 10, 1926.

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253,550—Titanium Oxide and Sulphate. Fabriques de Produits Chimiques de Thann et de Mulhouse, Haut-Rhin, June 11, 1926.

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253,582—Plastic Compositions Containing Casein. W. J. Stevens, London. March 16, 1925.

253,584—Anthraquinone Derivatives for Dyeing Cellulose Acetate. Scottish Dyes, Ltd., E. G. Beckett, J. Thomas, and R. Tonkin, Carlisle, England. March 16, 1925.

253,597—Filter for Liquids. G. Andrew-Marshall, London. Mar. 18, 1925.

253,606—Filtering Air and Gases. A. B. Cleworth & Co., and A. B. Cleworth, London. March 19, 1925.

253,614—Synthetic Resins. British Thomson Houston Co., Ltd., H. W. H. Warren, R. Newbound and L. M. T. Bell, London. March 20 1925.

253,623—Chloramines. C. H. Harold, Aldershot, England. Mar 23, 1925.

253,653—Density Separators. A. G. Enock, Hailsham, Sussex. April 14. 1925.

253,659—Chromium Compounds of Azo Dyes. Badische Anilin & Soda Fabrik, Ludwigshafen, Germany. April 16, 1925.

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253,872—Magnesium Chromate and Dichromate. Farbwerke vorm. Meister, Lucius & Bruening, Hoechst, Germany, assignors I. G. Farbenindustrie A. G., Frankfort. May 12, 1926.

253,875—Zinc Oxide Process. F. G. Breyer, E. H. Bunce and J. H. Weikel, Palmerton, N. J., assignors New Jersey Zinc Co., New York. May 17, 1926.

253,877—Maleic and Succinic Acids by Electrolysis. T. Yabuta, assignor, Zaidan Hojin Rikagaku Kenkyujo, Tokyo. May 18, 1926.

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253,911—Cyclic Hydrocarbons. Farbwerke vorm. Meister, Lucius & Bruening, Hoechst, assignors, I. G. Farbenindustrie A. G., Frankfort, Germany. June 15, 1926.

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253,947—Refractory Substances Containing Chamotte. Scheidhauer & Giessing A. G., Bonn, Germany. June 22, 1926.

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429,918—Fire-Proofing Organic Substances, Process. Hermann Steiling, Hannover. April 10, 1924.

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430,093—Highly Activated Charcoal, Process. Dr. Ivo Deiglmayr, Chemische Fabrik A. G. Muenchen. May 24, 1923.

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430,096—Stocing Ammonium Nitrate-Containing Mixed Fertilizers. Dr. Julius Heppes, Hamburg. Dec. 24, 1924.

430,051—Waterproofing Coatings and the like on textiles. I. G. Farbenindustrie A. G., Frankfurt. Sept. 25, 1924.

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430,135—Fire-Extinguishing Foam, Process. Minimax G. m. b. H., Berlin. May 3, 1922.

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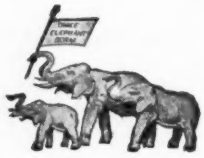

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612,595—Acetic Acid from lime acetate and hydrochloric acid. L. H. Fauque. March 10, 1926.

612,367—Condensation Products of the Benzanthrone Series. I. G. Farbenindustrie A. G March 6, 1926.

612,381—N-Dihydro 1, 2, 1', 2' Anthraquinone Azine and derivatives, and process. E. I. DuPont de Nemours & Co March 6, 1926.

612,382—Improvements in Colors Insoluble in Water. E. I. Du Pont de Nemours & Co. March 8, 1926.

612,655—Halogenated Dibenzpyrenequinones, process. I. G Farbenindustrie A. G. March 11, 1926.

612,503—Valuable Derivatives from coal, tar, mineral oils, etc. I. G. Farbenindustrie A G March 9, 1926

612,504—Producing Hydrocarbons I. G. Farbenindustrie A. G. March 9, 1926.

31,017 Addition to 594,686—Cleansing Compositions for the hands, linens, etc. J. Dreher. May 12, 1925

612,369—Separation of Difficultly Separable Mixtures. I. G Farbenindustrie A. G. March 6, 1926.

612,386—Recovering Gases and Vapors by means of absorbents. Societe de Recherches et d'Exploitations Petroliferes. May 11, 1925.

612,548—Vacuum Evaporator. L. Petit-Devaucelle. July 2, 1925

612,414—Incombustible Plastic Masses. Pathe-Cinema, Anciens Etablissements Pathe Freres. June 30, 1925.

612,599—Mastic Resistant to Acids. Compagnie Generale du Basalte C. G. B. March 10, 1926.

612,656—Porous Materials for Filtration. Schumacher'sche Fabrik. March 11, 1926.

[*Catalogs & Bulletins*]

Publications listed herewith are issued by manufacturers and may be obtained free by addressing CHEMICAL MARKETS.

Dracco Pneumatic Conveying System. An illustrated descriptive leaflet. 2 pp. 8½ X 11 in. The Dust Recovering & Conveying Co., Harvard Ave. and East 116th Street, Cleveland.

Goetze Gasket Guide. Descriptive, illustrated catalog giving sizes and prices. 41 pp. 6 X 9 in. Goetze Gasket & Packing Co., New Brunswick, N. J.

Hearsay. Illustrated, descriptive booklet. 6 pp. 6½ X 9½ in. Patterson Foundry Machine Co. E. Liverpool, Ohio.

Improving Gray Cast Iron with Nickel. 11 pp. 8½ X 11 in. The International Nickel Company, 67 Wall Street, New York.

Laclede-Christy Bulletin. Illustrated, descriptive, monthly bulletin, pertaining to refractories.

New Fields of Profit. Illustrated, descriptive leaflet. 2 pp. 8½ X 11 in. The Raymond Bros. Impact Pulverizer Co., Canadian Pacific Building, 342 Madison Ave., New York.

Pittsburgh Transformer Tap Changer. Illustrated, descriptive leaflet. 4 pp. 8½ X 11 in. Pittsburgh Transformer Company, Pittsburgh, Pa.

The Editor's Correspondence

EDITOR, CHEMICAL MARKETS

Permit me to compliment you on the very interesting article on calcium arsenate appearing in the August 5th issue of the CHEMICAL MARKETS. This is by far the most comprehensive and accurate description of the sales conditions in the calcium arsenate industry that I have read. The writer has had considerable experience in the manufacture of calcium arsenate during the trying period from 1921 up to the present time.

Might I take the liberty of correcting what appears to be a minor error, In the last paragraph on page 17, you infer that calcium arsenate was an old standard spray material before the boll weevil menace attracted very much attention, whereas calcium arsenate was developed for the specific purpose of controlling the boll weevil on cotton by the United States Bureau of Entomology, and chiefly by Dr. B. R. Coad and his associates, at the Delta Laboratory, Tallulah, La. As I understand it, calcium arsenate was developed with the idea of producing a cheaper insecticide than lead arsenate, and one which would be stronger in arsenic content.

Very truly yours,

JOHN F. BLYTH.

[*New Incorporations*]

Columbia Lacquer & Paint Co., Boston, Mass., $10,000, to deal in industrial chemicals. James J. Carney, president; Charles J. Willis, treasurer.

Unigloss Paint Corp., New York; 100 common, no par; F. Waldheim, R. A. Everets, M. F. Downey.

Rosland Rayon Corp., New York; 2,000 shares, $100 each; 8,000 shares common, no par; W. E. Rosenthal, M. L. Voight, Jr.

Veldown Co., New York; make pulp and paper; 500 common, no par; C. C. Becket, W. R. Carlisle, E. G. Grossman.

Howard H. Boltz, Inc., Pitman, N. J.; manufacture chemicals; $100,000; Howard H. Boltz, Dorey C. Satterfield, Charlotte Satterfield.

Fireproof Paint & Coating Co. Newark, N. J.; $125,000; manufacture paints, etc.; Harold J. Swan, Rudolph Treusch, Richard D. Hirst.

Karnak Chemical Co., Wilmington, Delaware; $250,000; lotions.

Coventry Stanley, Wilmington, Delaware; $5,000, agricultural products.

Chemodyne Corp., New York; 500 common, no par; chemicals, E. Glatterman, A. U. Bank, S. B. Seidel.

Rosion Drilling & Coring Corp., Wilmington, Delaware; $500,000; petroleum.

Sodium Lead Smelting Corp., New York; 100 common, no par, T. Homestead, G. N. Kirsebaum, M. R. Hutchison.

Stonex Corp., North Tonawanda, N. Y.; 500 shares, no par; make artificial stone; H. E. Collins, S. Farber.

Fu-Vim Chemical Co., Wilmington, Delaware; $1,200,000.

Gramercy Chemical Co., New York; $5,000; M. Blair, C. C. Evans, P. Pezzello.

Rodelle Corp. of New York; Wilmington, Delaware; $100,000; chemicals.

Guild Knitting Mills, New York; $20,000; G. Glassner, R. Blank, I. Reiner.

C. W. Campbell Co., New York; $25,000; chemicals; C. W. Campbell, M. C. Pollock, H. R. Krause.

Peter C. Heim, Albany, N. Y.; 200 common, no par; make white lead; P. C. Heim, J. C. Looby, C. I. Miller.

Alum Mountain Industries, Wilmington, Del., chemicals; $3,000,000.

International Rayon Braid Co., Wilmington, Del.; $750,000; manufacturing.

Domestic Dyes Association, Inc., Wrentham, Mass.; $100,000 deal in dyes, chemicals, etc., Edward Cibbs.

Utility Chemical Laboratory, Richmond, N. Y.; $15,000; K. J. Mullen, P. Saffer, C. D. Marsac.

Hi-Test Concrete Products, Inc., Newark, N. J.; $100,000; manufacture concrete products; Elmore E. Thornton, Charles F. Giaimo, Joseph Pitha, Margaret A. Capelon.

Westborn Textile Co., Syracuse, N. Y.; 1,000 common, no par. E. E. West, A. M. Kinslay, T. A. Sperry.

Pennsylvania Dixie Cement Corp., Dover, Delaware; $120,000,000, deal in Portland Cement, rock cements; 1,200,000 shares of stock, of which 200,000 shares are preferred, $100 each, and 1,000,000 shares of common, no par; total amount of authorized capital, $70,000,000, divided into 200,000 shares of preferred stock.

Gray Miller Corp of Haverford, Pa., Wilmington, Delaware; $1,000,000; chemicals.

Vanco Oil Co., Wilmington, Delaware; $100,000.

Menhaden Fisheries Corp., Wilmington, Delaware; $10,000.

Apollo Fur Dyeing Co., New York; $25,000; A. Zinman, R. Zinman, N. Roberts.

No-Tarnish Products Corp., New York; $500,000; lacquers; C. H. Ames, L. R. Hopewell.

Samaritan Olive Oil Corp., New York; 200 common, no par; J. W. Simpson 2d, W. D. Cunningham, C. F. Bailey.

Allen & Hills, Auburn, N. Y.; $100,000; synthetic moulding material; F. E. Allen, P. W. Hills, J. McIntosh.

Railway Metal Products Co., Wilmington, Delaware; $2,000,000.

Consolidated Metal Products Co., Wilmington, Delaware; $2,000,000; railroad supplies.

Drosadine Chemical Co. of New York; Wilmington, Delaware $500,000.

Dawson Chemical Co., Wilmington, Delaware; $50,000; cleaning substances

Unicote Paint Corp., New York. 100 common, no par; M. F. Downey, R. G. Lawler, S. Klein.

A. Jakobowitz & Co., Brooklyn, N. Y., $10,000; make white lead, A. Jakobowitz, S. Stern, M. Jakobowitz.

Toronto Fur Dressers & Dyers, Ltd., Toronto, Ontario, Can.; $40,000; Hyman Estrien, Otto Donatt, Annie Estrien.

Adams Paint Mfg. Co., Ltd., Montreal, Que.; $20,000, and 200 shares, no par value; Andrew McMaster, John Kerry, Ethel Hartley.

Cosmos Imperial Mills, Ltd., Hamilton, Ont., Canada; $1,500,000 and 50,000 shares no par value; manufacture textiles; Chas. D. Magee, Harold C. Walker, Florence M. Carton.

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DEVELOPMENT OF ZINC OXIDE

(Continued from page 854)

other pigment gradually caused the paint industry to realize its value. Zinc oxide has the finest particle size of any paint pigment in common use. It is of excellent whiteness, has great hiding power and does not darken on exposure to the air or to the gases usually found in and about buildings and ships. It makes a paint durable for either inside or outside work. Now practically all first-grade prepared paints contain zinc oxide. Scientific research has developed new pigment combinations for both exterior and interior paint which have received widespread endorsement, and these pigment combinations all include zinc oxide. Thus zinc oxide has attained a position of both permanence and prominence.

The many uses of zinc oxide have not only led to a tremendous increase in tonnage, but to the development of separate brands for specific purposes. There was more zinc oxide produced in 1925 in this country than in all of the first 27 years from 1852. From 1852 to 1879 there were produced 170,000 net tons at an average value of 3½c per pound. The 1925 production was approximately 185,000 tons valued at about 6¾c per pound. The increase was gradual from 10,000 tons in 1880 to 64,000 tons in 1911. The increase in the next four years was striking, 1915 showing more than 109,000 tons. Since that time the production has dropped below 100,000 tons but once, being just over 90,000 tons in 1921.

There are fifteen generally recognized grades of zinc oxide of different degrees of whiteness and fineness manufactured to meet the demands of industry. The three highest grades are made by the French process and used for surgical supplies, lacquers, enamels, printing inks and a multitude of smaller uses. A modification of the French process of manufacture has been made to obtain special fineness of particle size for the rubber trade. Three different grades are required to furnish the rubber trade with those different types of oxide which they find necessary for their products. In addition to these there is U. S. P. zinc oxide, a very pure product used for zinc ointment, face powder, dental cements, soap and pharmaceutical preparations. There are four grades of American process lead-free zinc oxide having their main use in the paint and rubber industries and as fillers for oil cloth, leather belting, etc. Four brands of leaded zinc oxide contain from 5% to 35% lead and are used for paint, cheap enamels and cheap glaze.

The rapid progress of industry and the changes which scientific research dictate prevent any prophecy as to the increased specific use of zinc oxide in the industries of this country. New uses are constantly being found for it and it is essential in most of the operations where it is now used. The two principal users of zinc oxide, the paint and rubber industries, are both prosperous at the present time. Everything points to continued increase in motor-car transportation, and a consequent enlarging market for tires. Property owners are being educated by the "Save the Surface" campaign to realize that it is less expensive to preserve their property with paint than to repair the damage inflicted by weather on unprotected surfaces. After doubling the 1921 production figures by 1925 several months in advance of the time set, the paint and varnish industry has now set as its goal the tripling of the 1921 figures by 1931. Industrial expansion in numerous other lines will undoubtedly add to the present large number of outlets for zinc oxide.

GERMAN LACQUER PATENTS

(Continued from page 856)

Co. According to the process, which is described in this patent cellulose ethers are derived by the action of alkyl haloids on cellulose. These cellulose derivatives are easily dissolved in such liquids as alcohol, ether, chloroform, benzene, benzine, carbon tetrachloride, acetone and the like. These solutions are employed in making lacquers.

322,619.—Farbenfabriken vormals Friederich Bayer & Co. Increasing the pliability of articles which are formed from cellulose ethers, in which process the effective agent is resorcinol dicarboxylic acid ethyl ester.

324,786.—Chemische Fabrik von Heyden. Mixtures of cellulose esters and acetyl oxyfatty acid esters are employed in the manufacture of lacquers and the like.

327,376.—Gustav Ruth ond Dr. Erich Asser, Wandsbek, Germany. Cellulose lacquers and spirit lacquers are made elastic by the addition of a substitute for castor oil which is made from a naphthenic acid ester.

334,871.—Badische Anilin- und Sodafabrik. Manufacture of solutions of acetyl cellulose. In this process cyclohexanone can be substituted by its homologues, which are obtained by the homologues of phenol.

343,162.—Weiler-ter-Meer, Uerdingen, Holland. Mixtures of paraldehyde and alcohol are used as solvents for nitrocelluloses.

350,973.—Ludwig Bing and Hildesheimer, Wandsbek, Germany. The solutions of nitrocelluloses are mixed with mono glycerin esters, and diglycerin esters of the non-drying oils. This process permits the formation of elastic lacquers which are resistant to cold.

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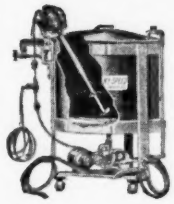

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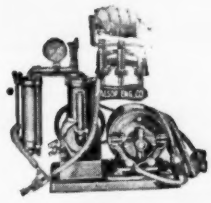

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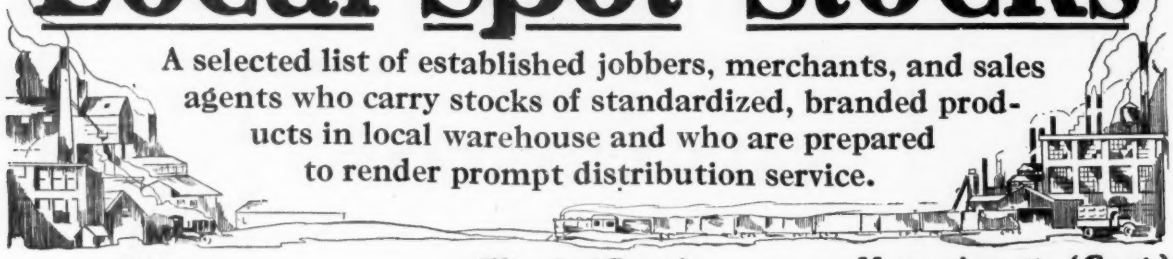

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ACETYLENE—The quartermaster, marine barracks, Quantico, Va., will open bids June 25 for acetylene gas for lighting purposes during the 6 months ending December 31.

OXYGEN—The quartermaster, marine barracks, Quantico, Va., will open bids June 25 for oxygen for welding purposes during the 6 months ending December 31.

NAVAL SUPPLIES—Sealed bids are wanted on dates indicated by the bureau of supplies and accounts, Navy Department, Washington, for miscellaneous supplies for navy yards and stations:
Sch. 5886, Baldwin, 2 000 lbs. flake aluminum, 11,000 lbs. barium nitrate. 300 lbs. potassium nitrate, 4,500 lbs. magnesium, opening of October 5.

WHITE LEAD—Sealed bids are wanted until September 30, pro 4, by the quartermaster, Ft Bragg, N C., for 6,700 lbs white lead and 100 gals linseed oil.

PAINT—Sealed bids are wanted until October 1 by the quartermaster general reserve depot, Columbus, Ohio, under pro. 4, for 200 gals. yellow perch paint.

ALUMINUM PAINT—Sealed bids are wanted until September 30 by the post quartermaster, U. S. Marine Corps, Parris Is., S. C. for 100 gals. aluminum paint.

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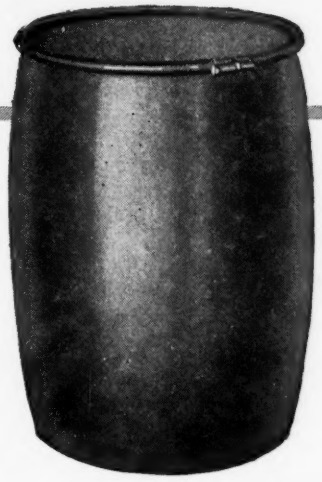

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